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Panel Size	Qty	Total Wattage of the system								
280	90	25,200	Watts							
Total Cost of the equipment for the 25.2 Grid-Tied PV system										
Item Code	DESCRIPTION	Quantity	Price Each	Amount						x
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	90	170.80	15372.00						
<a href="#">P300-2NM4ARS</a>	Solar Edge DC Optimizer	90	69.00	6210.00						
<a href="#">SE7600A-US</a>	Solar Edge Inverter, 7.6KW, 240VAC, 60HZ	3	1450.00	4350.00						
	Mounting Option									
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 90 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	4650.00	4650.00						
	Other accesories /Options									
<a href="#">QMSC-A</a>	Quickmount PV Classic Composition Mount with 6" hanger bolt	180	18.00	3240.00						
<a href="#">004025D</a>	Unirac 004025D Flat Flashing w/ Comp Plate (no lag bolt)	180	9	1620.00						
Total Cost of the materials without any incentives or rebates				\$33,822.00	\$ 1.34	per Watt				
Sub Total Before Tax Credit				\$33,822.00						
Federal Tax Credit of 30%				-10146.6						
Other Local Incentives										
Total cost of the equipment after the tax credit				\$23,675.40	\$ 0.94	per Watt				
Simple Payback Period for the materials only				6.06	Years					
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$. 10/KWH-AC</p>										
<p>If you are from a place where the utility electric cost is different , than the payback period above will vary</p>										
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit								
	\$.15/KWH		4.04	Years						
	\$.20/KWH		3.03	Years						

Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

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11.2 KW Grid Tied Solar PV System

Panel Size	Qty	Total Wattage of the system			
280	40	11,200	Watts		
Total Cost of the equipment for the 11.2KW Grid-Tied PV system					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	40	170.80	6832.00	
<a href="#">P300-2NM4ARS</a>	Solar Edge DC Optimizer	40	69.00	2760.00	
<a href="#">SE11400A-US-U</a>	Solar Edge Inverter, 11.4KW, 240VAC, 60Hz	1	1986.00	1986.00	
	Mounting Option				
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 90 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	2350.00	2350.00	
	Other Options				
<a href="#">QMSC-A</a>	Quickmount PV Classic Composition Mount with 6" hanger bolt	80	18.00	1440.00	
<a href="#">004025D</a>	Unirac 004025D Flat Flashing w/ Comp Plate (no lag bolt)	80	9	720.00	
Total Cost of the materials without any incentives or rebates				\$15,368.00	\$ 1.37 per Watt
Sub Total Before Tax Credit				\$15,368.00	
Federal Tax Credit of 30%				-4610.4	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$10,757.60	\$ 0.96 per Watt
Simple Payback Period for the materials only				6.19	Years

Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC

If you are from a place where the utility electric cost is different , than the payback period above will vary

If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit	
\$.15/KWH	4.13	Years
\$.20/KWH	3.10	Years

Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

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22.05 KW Grid Tied Solar PV System

Panel Size	Qty	Total Wattage of the system				
315	70	22,050			Watts	
Total Cost of the equipment for the 22.05KW Micro-Inverter Grid-Tied PV system						
Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">OPT315</a>	315 Watts, Suniva Solar Panel, Mono, Silver, A, 72 Cells, UL, Made in USA	70	173.25	12127.50		
<a href="#">P400-2NM4ARS</a>	Solar Edge DC Optimizer	70	69.00	4830.00		
<a href="#">SE114000A-US</a>	Solar Edge Inverter, 7.6KW, 240VAC, 60HZ	2	1650.00	3300.00		
	Mounting Option					
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 70 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	3956.00	3956.00		
				24213.50		
	Other accesories /Optional					
<a href="#">QMSC-A</a>	Quickmount PV Classic Composition Mount with 6" hanger bolt	180	18.00	3240.00		
<a href="#">004025D</a>	Unirac 004025D Flat Flashing w/ Comp Plate (no lag bolt)	180	9	1620.00		
Total Cost of the materials without any incentives or rebates				\$51,667.00	\$ 2.34	per Watt
Sub Total Before Tax Credit				\$51,667.00		
Federal Tax Credit of 30%				-15500.1		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$36,166.90	\$ 1.64	per Watt
Simple Payback Period for the materials only				10.57	Years	

Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC

If you are from a place where the utility electric cost is different , than the payback period above will vary

If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit	
\$.15/KWH	7.05	Years
\$.20/KWH	5.29	Years

Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

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Panel Size	Qty	Total Wattage of the system			
280	38	10,640	Watts		
<b>Total Cost of the equipment for the 10.64 Grid-Tied PV system</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	38	170.80	6490.40	
<a href="#">P300-2NM4ARS</a>	Solar Edge DC Optimizer	38	69.00	2622.00	
<a href="#">SE11400A-US-U</a>	Solar Edge Inverter, 11.4KW, 240VAC, 60Hz	1	1986.00	1986.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 38 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	2350.00	2350.00	
<a href="#">QMSC-A</a>	Quickmount PV Classic Composition Mount with 6" hanger bolt	76	18.00	1368.00	
Total Cost of the materials without any incentives or rebates				\$14,816.40	<b>\$ 1.39 per Watt</b>
Sub Total Before Tax Credit				\$14,816.40	
Federal Tax Credit of 30%				-4444.92	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$10,371.48	<b>\$ 0.97 per Watt</b>
Simple Payback Period for the materials only				6.28	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$. 10/KWH-AC</p>					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH	4.19	Years		
	\$.20/KWH	3.14	Years		
<p>Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p>					
<p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly</a></p>					

Panel Size	Qty	Total Wattage of the system			
280	30	8,400	Watts		
<b>Total Cost of the equipment for the 8.4 Grid-Tied PV system</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	30	173.60	5208.00	
<a href="#">P300-2NM4ARS</a>	Solar Edge DC Optimizer	30	69.00	2070.00	
<a href="#">SE7600A-US-U</a>	Solar Edge Inverter, 7.6KW, 240VAC, 60Hz	1	1586.00	1586.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1298.00	1298.00	
<a href="#">QMHSS</a>	Quickmount PV Quick Hook® for Side Mount Rails	60	22.00	1320.00	
Total Cost of the materials without any incentives or rebates				\$11,482.00	<b>\$ 1.37 per Watt</b>
Sub Total Before Tax Credit				\$11,482.00	
Federal Tax Credit of 30%				-3444.6	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$8,037.40	<b>\$ 0.96 per Watt</b>
Simple Payback Period for the materials only				6.17	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$. 10/KWH-AC</p>					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH	4.11	Years		
	\$.20/KWH	3.08	Years		
<p>Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p>					
<p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly</a></p>					



Panel Size	Qty	Total Wattage of the system			
240	34	8,160	Watts		
<b>Total Cost of the equipment for the 8.16 Grid-Tied PV system</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">SW240-Mono</a>	Solar World 240 Watts, SW 240-Mono , A grade, UL	34	129.60	4406.40	
<a href="#">P300-2NM4ARS</a>	Solar Edge DC Optimizer	34	69.00	2346.00	
<a href="#">SE7600A-US-U</a>	Solar Edge Inverter, 7.6KW, 240VAC, 60Hz	1	1586.00	1586.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1550.00	1550.00	
Total Cost of the materials without any incentives or rebates				\$9,888.40	<b>\$ 1.21 per Watt</b>
Sub Total Before Tax Credit				\$9,888.40	
Federal Tax Credit of 30%				-2966.52	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$6,921.88	<b>\$ 0.85 per Watt</b>
Simple Payback Period for the materials only				5.47	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$ .10/KWH-AC</p>					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH	3.65	Years		
	\$.20/KWH	2.73	Years		
<p>Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p>					
<p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly</a></p>					

Panel Size	Qty	Total Wattage of the system				
240	48		11,520	Watts		
<b>Total Cost of the equipment for the 11.52 Grid-Tied PV system</b>						
Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">SW240-Mono</a>	Solar World 240 Watts, SW 240-Mono , A grade, UL	48	129.60	6220.80		
<a href="#">P300-2NM4ARS</a>	Solar Edge DC Optimizer	48	69.00	3312.00		
<a href="#">SE10000A-US-U</a>	Solar Edge Inverter, 10KW, 240VAC, 60Hz	1	1986.00	1986.00		
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	2150.00	2150.00		
<a href="#">QMSC-A</a>	Quickmount PV Classic Composition Mount with 6" hanger bolt	96	18.00	1728.00		
Total Cost of the materials without any incentives or rebates				\$15,396.80	\$ 1.34	per Watt
Sub Total Before Tax Credit				\$15,396.80		
Federal Tax Credit of 30%				-4619.04		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$10,777.76	\$ 0.94	per Watt
Simple Payback Period for the materials only				6.03	Years	
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$. 10/KWH-AC</p>						
<p>If you are from a place where the utility electric cost is different , than the payback period above will vary</p>						
	If your rate is ( \$/KWH)		Payback would be, after 30% Tax Credit			
	\$.15/KWH		4.02	Years		
	\$.20/KWH		3.02	Years		
<p>Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p>						
<p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly f</a></p>						

Panel Size, Watts	Qty	Total Wattage of the system			
230	22	5,060	Watts		
5KW, Grid-Tied Solar PV with Unirac SM Mounting , Astronergy Solar Panels, SMA SB Inverter					
Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
CHSM 6610P-230 Po	Astronergy poly crystalline Solar panel 230 Watts, UL	22	124.20	2732.40	
<a href="#">SB5000US-US-TL-22</a>	SB5000US-TL-22 SMA grid-tied inverter 5KW, 1.5KW Emergency Outlet	1	2766.00	2766.00	
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00	
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00	
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.53	101.53	
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	2	8.00	16.00	
<a href="#">MNTS</a>	Fuses holder	2	8.00	16.00	
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 100FT	2	72.00	144.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps.	1		1343.00	
Total Cost of the materials without any incentives or rebates				\$7,433.93	\$ 1.47 per Watt
Sub Total Before Tax Credit				\$7,433.93	
Federal Tax Credit of 30%				-2230.179	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$5,203.75	\$ 1.03 per Watt
Simple Payback Period for the materials only				6.63	Years
Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. The roof mount system is a flush mounted to the roof. The savings is calculated based on the electricity cost of \$.10/KWH-AC					
If you are from a place where the utility electric cost is different , than the payback period above will vary					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH		4.42	Years	
	\$.20/KWH		3.31	Years	
Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.					
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Panel Size, Watts	Qty	Total Wattage of the system			
230	14	3,220	Watts		
3KW, Grid-Tied Solar PV with Unirac SM Mounting , Astronergy Solar Panels, Fronious IG Plus Inverter					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
CHSM 6610P-230 Po	Astronergy poly crystalline Solar panel 230 Watts, UL	14	124.20	1738.80	
IGA6KW	6000Watt Continuous, I/P Voltage range 230-600VDC, MPPT Range 230-500VDC, DC Disconnect, Output 240 VAC split-phase, 208/277VAC single phase. 10 year warranty, UL1741 approved	1	1000.00	1000.00	
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 100FT	2	72.00	144.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 14 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps.	1	700.00	700.00	
QuickmountPV	Quickmount PV Asphalt Shingles Compostion mount. QMSCA-1	28	17	476.00	
Total Cost of the materials without any incentives or rebates				\$3,582.80	\$ 1.11 per Watt
Sub Total Before Tax Credit				\$3,582.80	
Federal Tax Credit of 30%				-1074.84	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$2,507.96	\$ 0.78 per Watt
Simple Payback Period for the materials only				5.02	Years
Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC					
If you are from a place where the utility electric cost is different , than the payback period above will vary					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH		3.35	Years	
	\$.20/KWH		2.51	Years	
Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.					
<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a>					

Panel Size, Watts	Qty	Total Wattage of the system			
230	44	10,120	Watts		
10.12KW, Grid-Tied Solar PV with Unirac SM Mounting , Astronergy Solar Panels, SMA SB Inverter					
<b>Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">CHSM 6610P-230 Po</a>	Astronergy poly crystalline Solar panel 230 Watts, UL	44	124.20	5464.80	
<a href="#">SB10000US-US-12</a>	SB1000US-TL-12 SMA grid-tied inverter 10KW	1	3345.00	3345.00	
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00	
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00	
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.53	101.53	
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	4	8.00	32.00	
<a href="#">MNTS</a>	Fuses holder	4	8.00	32.00	
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 100FT	4	72.00	288.00	
Total Cost of the materials without any incentives or rebates				9578.33	<b>\$ 0.95 per Watt</b>
Sub Total Before Tax Credit				\$9,578.33	
Federal Tax Credit of 30%				-2873.499	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$6,704.83	<b>\$ 0.66 per Watt</b>
Simple Payback Period for the materials only				4.27	Years
Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. The roof mount system is a flush mounted to the roof. The savings is calculated based on the electricity cost of \$.10/KWH-AC					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH		2.85	Years	
	\$.20/KWH		2.14	Years	
Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.					
<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a>					

Panel Size, Watts	Qty	Total Wattage of the system			
240	25	6,000	Watts		
6KW, Grid-Tied Solar PV with Unirac SM Mounting , Solar World Solar Panels, SMA SB Inverter					
Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">SW240-Mono</a>	Solar World 240 Watts, SW 240-Mono , A grade, UL	25	129.60	3240.00	
<a href="#">SB6000US-US-TL-22</a>	6KW SMA grid-tied inverter , With 1.5KW Emergency Outlet	1	2766.00	2766.00	
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00	
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00	
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.53	101.53	
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	2	8.00	16.00	
<a href="#">MNTS</a>	Fuses holder	2	8.00	16.00	
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 100FT	2	72.00	144.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1443.00	1443.00	
Total Cost of the materials without any incentives or rebates				\$8,041.53	\$ 1.34 per Wat
Sub Total Before Tax Credit				\$8,041.53	
Federal Tax Credit of 30%				-2412.459	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$5,629.07	\$ 0.94 per Wat
Simple Payback Period for the materials only				6.05	Years
Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC					
If you are from a place where the utility electric cost is different , than the payback period above will vary					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH	4.03	Years		
	\$.20/KWH	3.02	Years		
Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.					
<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a>					

Panel Size, Watts	Qty	Total Wattage of the system			
240	30	7,200	Watts		
6KW, Grid-Tied Solar PV with Unirac SM Mounting , Solar World Solar Panels, SMA SB Inverter					
Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
SW240-Mono	Solar World 240 Watts, SW 240-Mono , A grade, UL	30	129.60	3888.00	
				0.00	
<a href="#">SB7.0-US-40</a>	Grid Tied Inverter, 7000W, 208/240VAC, 60Hz, integrated DC Discon, 3 MPPT Input, 10 Yr Warr, Transformerless, Arc-Fault Protection, Built in Ethernet/WLAN, SB7.0-1SP-US-40	1	2056.00	2056.00	
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00	
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00	
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.53	101.53	
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	2	8.00	16.00	
<a href="#">MNTS</a>	Fuses holder	2	8.00	16.00	
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 100FT	2	72.00	144.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 30 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps, **Flashings not included	1	1296.00		
Total Cost of the materials without any incentives or rebates				\$6,536.53	\$ 0.91 per Wat
Sub Total Before Tax Credit				\$6,536.53	
Federal Tax Credit of 30%				-1960.959	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$4,575.57	\$ 0.64 per Wat
Simple Payback Period for the materials only				4.10	Years
Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC					
If you are from a place where the utility electric cost is different , than the payback period above will vary					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH		2.73	Years	
	\$.20/KWH		2.05	Years	
Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.					

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Panel Size, Watts	Qty	Total Wattage of the system			
230	28	6,440	Watts		
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
CHSM 6610P-230 P	Astronergy poly crystalline Solar panel 230 Watts, UL	28	119.60	3348.80	
IG Plus V 6.0-1	6000Watt Continuous, I/P Voltage range 230-600VDC, MPPT Range 230-500VDC, DC Disconnect, Output 240 VAC split-phase, 208/277VAC single phase. 10 year warranty, UL1741 approved	1	950.00	950.00	
	Wi-Fi Data Logger	1	150.00	150.00	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00	
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 100FT	2	72.00	144.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 28 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1290.00	1290.00	
Total Cost of the materials without any incentives or rebates				\$5,962.80	\$ 0.93 per Wat
Sub Total Before Tax Credit				\$5,962.80	
Federal Tax Credit of 30%				-1788.84	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$4,173.96	\$ 0.65 per Wat
Simple Payback Period for the materials only				4.18	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC</p>					
<p>If you are from a place where the utility electric cost is different , than the payback period above will vary</p>					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$ .15/KWH	2.79	Years		
	\$ .20/KWH	2.09	Years		
<p>Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p>					
<p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a></p>					

Panel Size	Qty	Total Wattage of the system			
240	25	6,000	Watts		
<b>Total Cost of the equipment for the 6KW Micro-Inverter Grid-Tied PV system</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">SW240-Mono</a>	Solar World 240 Watts, SW 240-Mono , A grade, UL	25	129.60	3240.00	
<a href="#">ET-10-240 BULK</a>	Enphase Engage Trunk Cable, 1-PH, Continuous Length in Portrait (40")	25	19.00	475.00	
<a href="#">ET-INSTL</a>	Enphase Energy ET-INSTL M215 Microinverter Install Kit	2	75.00	150.00	
<a href="#">M215-60-2LL-S22</a>	Enphase, M215 Microinverter, 215W, 240/208VAC, 60Hz, 16-45VDC for 60 cell modules, H4 PV in, 16" Engage Cable out, 5 Yr Warr	25	127.80	3195.00	
<a href="#">ENV-120-01</a>	Enphase, ENVOY communications gateway, with ethernet bridge pair	1	483.00	483.00	
<a href="#">008011S</a>	Micro-inverter mounting kit	25	1.29	32.25	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1390.00	1390.00	
Total Cost of the materials without any incentives or rebates				\$8,965.25	<b>\$ 1.49 per Watt</b>
Sub Total Before Tax Credit				\$8,965.25	
Federal Tax Credit of 30%				-2689.575	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$6,275.68	<b>\$ 1.05 per Watt</b>
Simple Payback Period for the materials only				6.74	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$ .10/KWH-AC</p>					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
	If your rate is ( \$/KWH)		Payback would be, after 30% Tax Credit		
	\$ .15/KWH		4.50	Years	
	\$ .20/KWH		3.37	Years	

Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

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Panel Size	Qty	Total Wattage of the system			
240	42	10,080	Watts		
<b>Total Cost of the equipment for the 10.1KW Micro-Inverter Grid-Tied PV system</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">SW240-Mono</a>	Solar World 240 Watts, SW 240-Mono , A grade, UL	42	129.60	5443.20	
<a href="#">ET-10-240 BULK</a>	Enphase Engage Trunk Cable, 1-PH, Continuous Length in Portrait (40")	42	19.00	798.00	
<a href="#">ET-INSTL</a>	Enphase Energy ET-INSTL M215 Microinverter Install Kit	3	75.00	225.00	
<a href="#">M215-60-2LL-S22</a>	Enphase, M215 Microinverter, 215W, 240/208VAC, 60Hz, 16-45VDC for 60 cell modules, H4 PV in, 16" Engage Cable out, 5 Yr Warr	42	127.80	5367.60	
<a href="#">ENV-120-01</a>	Enphase, ENVOY communications gateway, with ethernet bridge pair	1	483.00	483.00	
<a href="#">008011S</a>	Micro-inverter mounting kit	1	1.29	1.29	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	2110.00	2110.00	
Total Cost of the materials without any incentives or rebates				\$14,428.09	<b>\$ 1.43 per Watt</b>
Sub Total Before Tax Credit				\$14,428.09	
Federal Tax Credit of 30%				<b>-4328.427</b>	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$10,099.66	<b>\$ 1.00 per Watt</b>
Simple Payback Period for the materials only				6.46	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$. 10/KWH-AC</p>					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
	If your rate is ( \$/KWH)		Payback would be, after 30% Tax Credit		
	\$ .15/KWH		4.31	Years	
	\$ .20/KWH		3.23	Years	

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Panel Size	Qty	Total Wattage of the system			
240	30	7,200 Watts			
<b>Total Cost of the equipment for the 10.1KW Micro-Inverter Grid-Tied PV system</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">SW240-poly</a>	Solar World 240 Watts, SW 240-Mono , A grade, UL	30	139.20	4176.00	
<a href="#">ET-10-240 BULK</a>	Enphase Engage Trunk Cable, 1-PH, Continuous Length in Portrait (40")	31	19.00	589.00	
<a href="#">ET-INSTL</a>	Enphase Energy ET-INSTL M215 Microinverter Install Kit	3	75.00	225.00	
<a href="#">M215-60-2LL-S22</a>	Enphase, M215 Microinverter, 215W, 240/208VAC, 60Hz, 16-45VDC for 60 cell modules, H4 PV in, 16" Engage Cable out, 5 Yr Warr	30	128.00	3840.00	
<a href="#">ENV-120-01</a>	Enphase, ENVOY communications gateway, with ethernet bridge pair	1	483.00	483.00	
<a href="#">008011S</a>	Micro-inverter mounting kit	30	1.29	38.70	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps and Quickmount PV's Classic composition standoffs ( roof attachments every 48" ; two rows of panels layout with 15 panels per row )	1	2850.00	2850.00	
Total Cost of the materials without any incentives or rebates				\$12,201.70	<b>\$ 1.69 per Watt</b>
Sub Total Before Tax Credit				\$12,201.70	
Federal Tax Credit of 30%				-3660.51	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$8,541.19	<b>\$ 1.19 per Watt</b>
Simple Payback Period for the materials only				7.65	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$. 10/KWH-AC</p>					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
If your rate is ( \$/KWH)		Payback would be, after 30% Tax Credit			

	\$.15/KWH		5.10	Years		
	\$.20/KWH		3.82	Years		
<p>Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p> <p><u><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly!</a></u></p>						

Panel Size	Qty	Total Wattage of the system			
280	24	6,720	Watts		
Total Cost of the equipment for the 6.72KW Micro-Inverter Grid-Tied PV system					
Solar Panels and Roof-Mounting Hardware are all made in the USA					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	24	173.60	4166.40	
<a href="#">ET-10-240 BULK</a>	Enphase Engage Trunk Cable, 1-PH, Continuous Length in Portrait (40")	24	19.00	456.00	
<a href="#">ET-INSTL</a>	Enphase Energy ET-INSTL M215 and M250 Microinverter Install Kit	2	75.00	150.00	
<a href="#">M-250-60 2LL-S22</a>	Enphase, M250 Microinverter, 250W, 240/208VAC, 60Hz, 16-45VDC for 60 cell modules, H4 PV in, 16" Engage Cable out, 5 Yr Warr	24	149.80	3595.20	
<a href="#">ENV-120-01</a>	Enphase, ENVOY communications gateway, with ethernet bridge pair	1	483.00	483.00	
<a href="#">008011S</a>	Micro-inverter mounting kit	1	1.29	1.29	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1410.00	1410.00	
Total Cost of the materials without any incentives or rebates				\$10,261.89	\$ 1.53 per Watt
Sub Total Before Tax Credit				\$10,261.89	
Federal Tax Credit of 30%				-3078.567	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$7,183.32	\$ 1.07 per Watt
Simple Payback Period for the materials only				6.89	Years
Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC					
If you are from a place where the utility electric cost is different , than the payback period above will vary					
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit			
	\$.15/KWH	4.59	Years		



	\$.20/KWH		3.45	Years		
Additional incentives are available and maybe significant in CA, TX, FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.						

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Panel Size	Qty	Total Wattage of the system				
240	30	7,200	Watts			
<b>7.2 KW Grid Tied W Battery Backup / Hybrid System / Off-Grid</b>						
<b>Cost of the equipment for the proposed PV system-7.2KW Grid Tied W Battery Backup / Hybrid System</b>						
Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">SW240-Mono</a>	Solar World 240 Watts, SW 240-Mono , A grade, UL	30	140.00	4200.00		
<a href="#">XW+6848</a>	XW6848-120/240-60 Grid-Tie - Inverter/Charger - 6800 Watts - 120/240 Vac	1	2850.00	2850.00		
<a href="#">Conext Combox</a>	Conext XW+ Combiner Box	1	350.00	350.00		
<a href="#">Conext XW+ PDP</a>	Conext XW+ Power Distribution Panel	1	1005.00	1005.00		
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	2	500.00	1000.00		
<a href="#">XW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00		
<a href="#">XW- 60 AMPS Breakers</a>	antrex AB 5628 160V 60 amp DC Break	4	19.00	76.00		
<a href="#">S-605(Previously S-600)</a>	Rolls Surrette Battery , Made in CANADA Lead Acid Deep Cycle Battery Rolls S-605 6V - 458 AH, 5yrs Warranty	16	357.00	5712.00		
<a href="#">BC-5, 4/0</a>	5 foot battery/inverter cable 4/0	2	50	100		
<a href="#">BC-1, 4/0</a>	1 foot battery cable 4/0	16	10	160		
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00		
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00		
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00		
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00		
<a href="#">Cable , 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 30F	8	35.00	280.00		
Total Cost of the materials without any incentives or rebates				\$16,266.00	<b>\$ 2.26</b>	per Watt
Sub Total Before Tax Credit				\$16,266.00		
Federal Tax Credit of 30%				-4879.8		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$11,386.20	<b>\$ 1.58</b>	per Watt
<b>Simple Payback Period for the materials only</b>				10.19	Years	
The savings is calculated based on electricity cost of \$.10/KWH.						

**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator, it is the equivalent of approximately \$.50/KWH.						
If you are from a place where the utility electric cost is different , than the payback period above will vary						
If your rate is	Payback would be, after 30% Tax Credit		Payback without 30% Tax credit			
\$.15/KWH	6.80	Years	9.71	Years		
\$.20/KWH	5.10	Years	7.28	Years		
\$.30/KWH	3.40	Years	4.85	Years		
\$.40/KWH, For Example HI, AK	2.55	Years	3.64	Years		
Additional incentives are available and maybe significant in CA,TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.						
<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a>						

Panel Size	Qty	Total Wattage of the system				
280	22	6,160	Watts			
<b>13.44 KW Off- Grid W Battery Backup / Hybrid System</b>						
Cost of the equipment for the proposed PV system-13.44 KW Off-Grid W Battery Backup / Hybrid System						
Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">Suniva 280 Watts</a>	SUNIVA 280 Watts, Grade-B, Crystalline, 60 Cells, UL, Made in USA, 25 Yrs Warranty	22	168.00	3696.00		
<a href="#">XW+6848</a>	XW6848-120/240-60 Grid-Tie/Off-Grid - Inverter/Charger - 6800 Watts - 120/240 Vac	1	2850.00	2850.00		
<a href="#">Conext Combox</a>	Conext XW+ Combiner Box	1	350.00	350.00		
<a href="#">Conext XW+ PDP</a>	Conext XW+ Power Distribution Panel	1	1005.00	1005.00		
	XW Connection Kit for 2nd inverter	1	680.00	680.00		
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	2	500.00	1000.00		
<a href="#">XW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00		
<a href="#">XW- 60 AMPS Breakers</a>	antrex AB 5628 160V 60 amp DC Break	4	19.00	76.00		
<a href="#">SUN-230AH</a>	SUN 230 AH Battery, 6Volts, 1 Year Warranty	32	95.00	3040.00		
<a href="#">BC-5, 4/0</a>	5 foot battery/inverter cable 4/0	2	50	100		
<a href="#">BC-1, 4/0</a>	1 foot battery cable 4/0	34	10	340		
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00		
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00		
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00		
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00		
<a href="#">Cable , 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 30F	8	35.00	280.00		
Total Cost of the materials without any incentives or rebates				\$13,950.00	\$ 2.26	per Watt
Sub Total Before Tax Credit				\$13,950.00		
Federal Tax Credit of 30%				-4185		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$9,765.00	\$ 1.59	per Watt

\*\*For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator, it is the equivalent of approximately \$.50/KWH.

If you are from a place where the utility electric cost is different , than the payback period above will vary

If your rate is	Payback would be, after 30% Tax Credit		Payback without 30% Tax credit		
\$.15/KWH	10.22	Years	9.73	Years	
\$.20/KWH	5.11	Years	7.30	Years	
\$.30/KWH	3.41	Years	4.87	Years	
\$.40/KWH, For Example HI, AK	2.55	Years	3.65	Years	

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Panel Size	Qty	Total Wattage of the system			
280	90	25,200	Watts		
Total Cost of the equipment for the 6.72KW Micro-Inverter Grid-Tied PV system					
<b>Solar Panels and Roof-Mounting Hardware are all made in the USA</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	90	168.00	15120.00	
<a href="#">ET-10-240 BULK</a>	Enphase Engage Trunk Cable, 1-PH, Continuous Length in Portrait (40")	90	18.00	1620.00	
<a href="#">ET-INSTL</a>	Enphase Energy ET-INSTL M215 and M250 Microinverter Install Kit	2	75.00	150.00	
<a href="#">M-250-60 2LL-S22</a>	Enphase, M250 Microinverter, 250W, 240/208VAC, 60Hz, 16-45VDC for 60 cell modules, H4 PV in, 16" Engage Cable out, 5 Yr Warr	90	140.80	12672.00	
<a href="#">ENV-120-01</a>	Enphase, ENVOY communications gateway, with ethernet bridge pair	1	483.00	483.00	
<a href="#">008011S</a>	Micro-inverter mounting kit	90	1.29	116.10	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps, Standoffs also included	1	6510.00	6510.00	
Total Cost of the materials without any incentives or rebates				\$36,671.10	\$ 1.46 per Watt
Sub Total Before Tax Credit				\$36,671.10	
Federal Tax Credit of 30%				-11001.33	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$25,669.77	\$ 1.02 per Watt
Simple Payback Period for the materials only				6.57	Years
Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC					
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>					
	If your rate is ( \$/KWH)		Payback would be, after 30% Tax Credit		
	\$.15/KWH		4.38 Years		

	\$.20/KWH		3.28	Years		
Additional incentives are available and maybe significant in CA, TX, FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.						

[If you need to customize this system a little bit or have questions regarding this please contact our engineers directly](#)

Panel Size	Qty	Total Wattage of the system			
280	48	13,440	Watts		
<b>13.44 KW Off- Grid W Battery Backup / Hybrid System</b>					
Cost of the equipment for the proposed PV system-13.44 KW Off-Grid W Battery Backup / Hybrid System					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">Suniva 280 Watts</a>	SUNIVA 280 Watts, Grade-B, Crystalline, 60 Cells, UL, Made in USA, 25 Yrs Warranty	48	179.20	8601.60	
<a href="#">XW+6848</a>	XW6848-120/240-60 Grid-Tie/Off-Grid - Inverter/Charger - 6800 Watts - 120/240 Vac	2	2850.00	5700.00	
<a href="#">Conext Combox</a>	Conext XW+ Combiner Box	1	350.00	350.00	
<a href="#">Conext XW+ PDP</a>	Conext XW+ Power Distribution Panel	1	1005.00	1005.00	
	XW Connection Kit for 2nd inverter	1	680.00	680.00	
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	4	500.00	2000.00	
<a href="#">XW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00	
<a href="#">XW- 60 AMPS Breakers</a>	antrex AB 5628 160V 60 amp DC Break	8	19.00	152.00	
<a href="#">S-605(viously S-600)</a>	Rolls Surrette Battery , Made in CANADA Lead Acid Deep Cycle Battery Rolls S-605 6V - 458 AH, 5yrs Warranty	24	357.00	8568.00	
<a href="#">BC-5, 4/0</a>	5 foot battery/inverter cable 4/0	4	50	200	
<a href="#">BC-1, 4/0</a>	1 foot battery cable 4/0	25	10	250	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	2	40.00	80.00	
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	2	143.00	286.00	
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	16	10.00	160.00	
<a href="#">Cable , 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 30F	16	35.00	560.00	
Total Cost of the materials without any incentives or rebates				\$28,862.60	\$ 2.15 per Watt
Sub Total Before Tax Credit				\$28,862.60	
Federal Tax Credit of 30%				-8658.78	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$20,203.82	\$ 1.50 per Watt



\*\*For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator, it is the equivalent of approximately \$.50/KWH.

If you are from a place where the utility electric cost is different , than the payback period above will vary

If your rate is	Payback would be, after 30% Tax Credit		Payback without 30% Tax credit		
\$.15/KWH	9.69	Years	9.23	Years	
\$.20/KWH	4.85	Years	6.92	Years	
\$.30/KWH	3.23	Years	4.61	Years	
\$.40/KWH, For Example HI, AK	2.42	Years	3.46	Years	

Additional incentives are available and maybe significant in CA,TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

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2.2 KW Off-Grid System W Battery				
Cost of the components for the proposed PV system-2.2 KW Off-Grid System W Battery				
Item Code	DESCRIPTION	Quantity	Price Each	Amount
HE-SUN-220	HE-SUN-220	10	149.60	1496.00
<a href="#">IC122055</a>	KISAE Abso SW Inverter Charger 2000W 55A - IC122055	1	406.88	406.88
<a href="#">MNEDC250</a>	Midnite Solar Battery Disconnect, Battery Disconnect	1	89.00	89.00
<a href="#">C60</a>	Schneider C60 Charge Controlle	1	149.00	149.00
<a href="#">MNEDC60 AMPS Breakers</a>	60 amp DC Breaker	2	19.00	38.00
<a href="#">SUN 6V 230AH</a>	SUN 6 Volt deep cycle - 230 Amp Hour Battery	8	97.00	776.00
<a href="#">BC-5, 1/0</a>	5 foot battery/inverter cable 1/0	2	16	32
<a href="#">BC-1, 1/0</a>	1 foot battery cable 1/0	4	8	32
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 15FT and 6FT ( 4 of each)	8		150.00
Total Cost of the materials without any incentives or rebates				\$3,391.88
Sub Total Before Tax Credit				\$3,391.88
Federal Tax Credit of 30%				-1017.564
Other Local Incentives				-
Total cost of the components after the tax credit				\$2,374.32
<b>Simple Payback Period for the materials only</b>				**
<p>**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator, it is the equivalent of approximately \$.50/KWH.</p> <p>Note:</p> <p>1.) All the products come with manufacturer warranty</p> <p><a href="#">2.)For the mounting system, please contact us</a></p> <p>Additional incentives are avaialbe and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p> <p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a></p>				



<b>1.2 KW Off-Grid System W Battery</b>				
<b>Cost of the components for the proposed PV system-1.2 KW Off-Grid System W Battery</b>				
Item Code	DESCRIPTION	Quantity	Price Each	Amount
HE-SUN-220	HE-SUN-220	14	149.60	2094.40
<a href="#">SW1210</a>	KISAE SW1210 1000W, 12V Pure Sine Wave Inverter	1	163.88	163.88
<a href="#">MNEDC250</a>	Midnite Solar Battery Disconnect, Battery Disconnect	1	89.00	89.00
<a href="#">C60</a>	Schneider C60 Charge Controlle	1	149.00	149.00
<a href="#">MNEDC60 AMPS Breakers</a>	60 amp DC Breaker	2	19.00	38.00
<a href="#">SUN 6V 230AH</a>	SUN 6 Volt deep cycle - 230 Amp Hour Battery	4	97.00	388.00
<a href="#">BC-5, 1/0</a>	5 foot battery/inverter cable 1/0	2	16	32
<a href="#">BC-1, 1/0</a>	1 foot battery cable 1/0	4	8	32
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	9.50	76.00
<a href="#">Cable, 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 15F	8	25.00	200.00
Total Cost of the materials without any incentives or rebates				\$3,405.28
Sub Total Before Tax Credit				\$3,405.28
Federal Tax Credit of 30%				-1021.584
Other Local Incentives				-
Total cost of the components after the tax credit				\$2,383.70
<b>Simple Payback Period for the materials only</b>				**
**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator it is the equivalent of approximately \$.50/KWH.				
Note:				
1.) All the products come with manufacturer warranty				
<a href="#">2.)For the mounting system, please contact us</a>				
Additional incentives are avaialbe and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.				
<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers di</a>				

Panel Size	Qty	Total Wattage of the system			
280	22	6,160	Watts		
<b>13.44 KW Off- Grid W Battery Backup / Hybrid System</b>					
Cost of the equipment for the proposed PV system-13.44 KW Off-Grid W Battery Backup / Hybrid System					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">Suniva 280 Watts</a>	SUNIVA 280 Watts, Grade-B, Crystalline, 60 Cells, UL, Made in USA, 25 Yrs Warranty	22	168.00	3696.00	
<a href="#">XW+6848</a>	XW6848-120/240-60 Grid-Tie/Off-Grid - Inverter/Charger - 6800 Watts - 120/240 Vac	1	2850.00	2850.00	
<a href="#">Conext Combox</a>	Conext XW+ Combiner Box	1	350.00	350.00	
<a href="#">Conext XW+ PDP</a>	Conext XW+ Power Distribution Panel	1	1005.00	1005.00	
	XW Connection Kit for 2nd inverter	1	680.00	680.00	
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	2	500.00	1000.00	
<a href="#">XW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00	
<a href="#">XW- 60 AMPS Breakers</a>	antrex AB 5628 160V 60 amp DC Break	4	19.00	76.00	
<a href="#">SUN-230AH</a>	SUN 230 AH Battery, 6Volts, 1 Year Warranty	16	327.00	5232.00	
<a href="#">BC-5, 4/0</a>	5 foot battery/inverter cable 4/0	2	50	100	
<a href="#">BC-1, 4/0</a>	1 foot battery cable 4/0	16	10	160	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00	
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00	
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00	
<a href="#">Cable , 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 30F	8	35.00	280.00	
Total Cost of the materials without any incentives or rebates				\$15,962.00	\$ 2.59 per Watt
Sub Total Before Tax Credit				\$15,962.00	
Federal Tax Credit of 30%				-4788.6	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$11,173.40	\$ 1.81 per Watt

\*\*For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator, it is the equivalent of approximately \$.50/KWH.

If you are from a place where the utility electric cost is different , than the payback period above will vary

If your rate is	Payback would be, after 30% Tax Credit		Payback without 30% Tax credit		
\$.15/KWH	11.69	Years	11.14	Years	
\$.20/KWH	5.85	Years	8.35	Years	
\$.30/KWH	3.90	Years	5.57	Years	
\$.40/KWH, For Example HI, AK	2.92	Years	4.18	Years	

Additional incentives are available and maybe significant in CA,TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

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### 3.3 KW Off-Grid System W Battery

Cost of the components for the proposed PV system-3.3 KW Grid Tied W Battery Backup / Hybrid System

Item Code	DESCRIPTION	Quantity	Price Each	Amount			
<a href="#">HE-SUN-220</a>	HE-SUN-220, Mono Crystalline 21% efficient, 61.3"x 31.4"	15	149.60	2244.00		kwh	\$
<a href="#">SW4024</a>	XW4024-120/240-60 Off-Grid - Inverter/Charger - 4000Watts - 120/240 Vac	1	1350.00	1350.00		742.775	
<a href="#">Conext Combox</a>	Conext XW+ Combiner Box , Online Monitoring of the system	1	350.00	350.00		6752.5	
<a href="#">MNDC250</a>	Midnite Solar Mini Disconnect, Battery Disconnect	1	184.00	184.00			
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	2	500.00	1000.00			15
<a href="#">SW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00			
<a href="#">XW- 60 AMPS Breakers</a>	antrex AB 5628 160V 60 amp DC Break	4	19.00	76.00			
<a href="#">SUN 6V 230AH</a>	SUN 6 Volt deep cycle - 230 Amp Hour Battery	16	105.00	1680.00			3300
<a href="#">BC-5, 2/0</a>	5 foot battery/inverter cable 4/0	2	40	80			
<a href="#">BC-1, 2/0</a>	1 foot battery cable 4/0	16	8	128			
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00			
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00			
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00			
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00			
<a href="#">Cable , 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 30F	8	35.00	280.00			
Total Cost of the materials without any incentives or rebates				\$7,905.00			
Sub Total Before Tax Credit				\$7,905.00			
Federal Tax Credit of 30%				-2371.5			
Other Local Incentives				-			
Total cost of the components after the tax credit				\$5,533.50			
<b>Simple Payback Period for the materials only</b>				**			
<p>**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator it is the equivalent of approximately \$.50/KWH.</p>							
<p>Note:</p>							
<p>1.) All the products come with manufacturer warranty</p>							
<p><a href="#">2.)For the mounting system, please contact us</a></p>							





<b>1.2 KW Off-Grid System W Battery</b>				
<b>Cost of the components for the proposed PV system-1.2 KW Off-Grid System W Battery</b>				
Item Code	DESCRIPTION	Quantity	Price Each	Amount
<a href="#">RND-42AT-A 42 Cell</a>	Sharp 153 Watts, Grade-B	8	58.14	465.12
<a href="#">SW1210</a>	KISAE SW1210 1000W, 12V Pure Sine Wave Inverter	1	163.88	163.88
<a href="#">MNEDC250</a>	Midnite Solar Battery Disconnect, Battery Disconnect	1	89.00	89.00
<a href="#">C60</a>	Schneider C60 Charge Controlle	1	149.00	149.00
<a href="#">MNEDC60 AMPS Breakers</a>	60 amp DC Breaker	2	19.00	38.00
<a href="#">SUN 6V 230AH</a>	SUN 6 Volt deep cycle - 230 Amp Hour Battery	4	97.00	388.00
<a href="#">BC-5, 1/0</a>	5 foot battery/inverter cable 1/0	2	16	32
<a href="#">BC-1, 1/0</a>	1 foot battery cable 1/0	4	8	32
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	9.50	76.00
<a href="#">Cable, 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 15F	8	25.00	200.00
Total Cost of the materials without any incentives or rebates				\$1,776.00
Sub Total Before Tax Credit				\$1,776.00
Federal Tax Credit of 30%				-532.8
Other Local Incentives				-
Total cost of the components after the tax credit				\$1,243.20
<b>Simple Payback Period for the materials only</b>				**
**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator it is the equivalent of approximately \$.50/KWH.				
Note:				
1.) All the products come with manufacturer warranty				
<a href="#">2.)For the mounting system, please contact us</a>				
Additional incentives are avaialbe and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.				
<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers di</a>				

<b>400W Off-Grid System W Battery</b>				
<b>Cost of the components for the proposed PV system-400 W Off-Grid System W Battery</b>				
Item Code	DESCRIPTION	Quantity	Price Each	Amount
<a href="#">Sonali 100W</a>	Sonali 100Watts Solar Panel	4	95.00	380.00
<a href="#">SW1210</a>	KISAE SW1210 1000W, 12V Pure Sine Wave Inverter	1	163.88	163.88
<a href="#">MNEDC250</a>	Midnite Solar Battery Disconnect, Battery Disconnect	1	89.00	89.00
<a href="#">C60</a>	Schneider C60 Charge Controlle	1	149.00	149.00
<a href="#">MNEDC60 AMPS Breakers</a>	60 amp DC Breaker	2	19.00	38.00
<a href="#">SUN 6V 230AH</a>	SUN 6 Volt deep cycle - 230 Amp Hour Battery	4	97.00	388.00
<a href="#">BC-5, 1/0</a>	5 foot battery/inverter cable 1/0	2	16	32
<a href="#">BC-1, 1/0</a>	1 foot battery cable 1/0	4	8	32
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	4	9.50	38.00
<a href="#">Cable, 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 15F	4	25.00	100.00
Total Cost of the materials without any incentives or rebates				\$1,552.88
Sub Total Before Tax Credit				\$1,552.88
Federal Tax Credit of 30%				-465.864
Other Local Incentives				-
Total cost of the components after the tax credit				\$1,087.02
<b>Simple Payback Period for the materials only</b>				**
<p>**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator it is the equivalent of approximately \$.50/KWH.</p> <p>Note:</p> <p>1.) All the products come with manufacturer warranty</p> <p><a href="#">2.)For the mounting system, please contact us</a></p> <p>Additional incentives are avaialbe and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p> <p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers di</a></p>				

## 1.2 KW Off-Grid System W Battery

### Cost of the components for the proposed PV system-1.2 KW Off-Grid System W Battery

Item Code	DESCRIPTION	Quantity	Price Each	Amount
<a href="#">RND-42AT-A 42 Cell</a>	Sharp 153 Watts, Grade-B	8	58.14	465.12
<a href="#">IC122055</a>	KISAE Abso SW Inverter Charger 2000W 55A - IC122055	1	406.88	406.88
<a href="#">MNEDC250</a>	Midnite Solar Battery Disconnect, Battery Disconnect	1	89.00	89.00
<a href="#">C60</a>	Schneider C60 Charge Controlle	1	149.00	149.00
<a href="#">MNEDC60 AMPS Breakers</a>	60 amp DC Breaker	2	19.00	38.00
<a href="#">SUN 6V 230AH</a>	SUN 6 Volt deep cycle - 230 Amp Hour Battery	4	97.00	388.00
<a href="#">BC-5, 1/0</a>	5 foot battery/inverter cable 1/0	2	16	32
<a href="#">BC-1, 1/0</a>	1 foot battery cable 1/0	4	8	32
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 15FT and 6FT ( 4 of each)	8		150.00
Total Cost of the materials without any incentives or rebates				\$1,973.00
Sub Total Before Tax Credit				\$1,973.00
Federal Tax Credit of 30%				-591.9
Other Local Incentives				-
Total cost of the components after the tax credit				\$1,381.10
<b>Simple Payback Period for the materials only</b>				**
<p>**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator, it is the equivalent of approximately \$.50/KWH.</p>				
<p>Note:</p> <p>1.) All the products come with manufacturer warranty</p> <p><a href="#">2.)For the mounting system, please contact us.</a></p>				
<p>Additional incentives are avaialbe and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p>				
<p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers dire</a></p>				



### 1.5 KW Off-Grid System W Battery

#### Cost of the components for the proposed PV system-1.5 KW Off-Grid System W Battery

Item Code	DESCRIPTION	Quantity	Price Each	Amount
<a href="#">CHSM230P</a>	Astronergy 230watts , A grade, UL, 64.5"x39.1"	8	138.00	1104.00
<a href="#">SW4024</a>	XW4024-120/240-60 Off-Grid - Inverter/Charger - 4000Watts - 120/240 Vac	1	1350.00	1350.00
	Auto Generator Start	1	130.00	130.00
<a href="#">Conext Combo</a>	Conext XW+ Combiner Box , Online Monitoring of the system	1	350.00	350.00
<a href="#">MNDC250</a>	Midnite Solar Mini Disconnect, Battery Disconnect	1	184.00	184.00
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	1	475.00	475.00
<a href="#">SW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00
<a href="#">XW- 60 AMPS Breakers</a>	Xantrex AB 5628 160V 60 amp DC Breaker	2	19.00	38.00
	XW Auto Generator Start	1	130	130.00
<a href="#">S-605</a>	Surrette Rolls 6V, 450AH, 5 Yrs Warranty	4	359	1436.00
<a href="#">BC-5, 2/0</a>	5 foot battery/inverter cable 4/0	2	40	80
<a href="#">BC-1, 2/0</a>	1 foot battery cable 4/0	3	8	24
<a href="#">MNPV6</a>	MNPV6 Midnite Solar	1	89.00	89.00
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	4	10.00	40.00
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 15FT	4	22.00	88.00
Total Cost of the materials without any incentives or rebates				\$5,748.00
Sub Total Before Tax Credit				\$5,748.00
Federal Tax Credit of 30%				-1724.4
Other Local Incentives				-
Total cost of the components after the tax credit				\$4,023.60
<b>Simple Payback Period for the materials only</b>				**
<p>**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator, it is the equivalent of approximately \$.50/KWH.</p>				
Note:				



### 3.7 KW Off-Grid System W Battery

Cost of the components for the proposed PV system-7.3 KW Grid Tied W Battery Backup / Hybrid System

Item Code	DESCRIPTION	Quantity	Price Each	Amount		kwh	\$
<a href="#">RND-42AT-A 42 Cell</a>	Sharp 153 Watts, Grade-B	24	58.14	1395.36			<a href="#">742.775</a>
<a href="#">SW4024</a>	XW4024-120/240-60 Off-Grid - Inverter/Charger - 4000Watts - 120/240 Vac	1	1350.00	1350.00		6752.5	
<a href="#">Conext Combox</a>	Conext XW+ Combiner Box , Online Monitoring of the system	1	350.00	350.00			
<a href="#">MNDC250</a>	Midnite Solar Mini Disconnect, Battery Disconnect	1	184.00	184.00			
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	2	500.00	1000.00			
<a href="#">SW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00			
<a href="#">XW- 60 AMPS Breakers</a>	antrex AB 5628 160V 60 amp DC Break	4	19.00	76.00			
<a href="#">SUN 6V 230AH</a>	SUN 6 Volt deep cycle - 230 Amp Hour Battery	16	105.00	1680.00			
<a href="#">BC-5, 2/0</a>	5 foot battery/inverter cable 4/0	2	40	80			
<a href="#">BC-1, 2/0</a>	1 foot battery cable 4/0	16	8	128			
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00			
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00			
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00			
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00			
<a href="#">Cable , 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 30F	8	35.00	280.00			
Total Cost of the materials without any incentives or rebates				\$7,056.36			
Sub Total Before Tax Credit				\$7,056.36			
Federal Tax Credit of 30%				-2116.908			
Other Local Incentives				-			
Total cost of the components after the tax credit				\$4,939.45			
<b>Simple Payback Period for the materials only</b>				**			
<p>**For this system and Off-Grid systems similar to this, the payback is almost instantaneous. It costs \$10,000 a mile to run a power lines, or if one is using a generator it is the equivalent of approximately \$.50/KWH.</p>							
<p>Note:</p>							
<p>1.) All the products come with manufacturer warranty</p>							

[2.\)For the mounting system, please contact us](#)

Additional incentives are available and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

[If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here](#)



### 7.3 KW Grid Tied W Battery Backup / Hybrid System

The expected revenue that the electricity generated

	Annual Average - Solar Radiation	AC Energy	Energy Value
	(kWh/m <sup>2</sup> /day)	(kWh)	(\$)
	5.00	10,323.17	\$ 1,032.32

\*\*The calculation above is done using the DC to AC derate factor of .85 as Suggested by PV Watts from NREL

### Cost of the equipment for the proposed PV system-6.7 KW Grid Tied W Battery Backup / Hybrid System

Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">SUN 305</a>	CSUN 305 Watts, Grade-B, Crystalline, 72 Cells, UL	22	131.15	2885.30		
<a href="#">XW+6848</a>	XW6848-120/240-60 Grid-Tie - Inverter/Charger - 6800 Watts - 120/240 Vac	1	2850.00	2850.00		
<a href="#">Conext Combox</a>	Conext XW+ Combiner Box	1	350.00	350.00		
<a href="#">Conext XW+ PDP</a>	Conext XW+ Power Distribution Panel	1	1005.00	1005.00		
<a href="#">XW MPPT 60</a>	Schneider MPPT 60A 150V Charge Controller	2	500.00	1000.00		
<a href="#">XW Remote Control</a>	System Control Panel for SW & XW	1	230.00	230.00		
<a href="#">XW- 60 AMPS Breakers</a>	antrex AB 5628 160V 60 amp DC Break	4	19.00	76.00		
<a href="#">S-605(Previously S-600)</a>	Rolls Surrette Battery , Made in CANADA Lead Acid Deep Cycle Battery Rolls S-605 6V - 458 AH, 5yrs Warranty	16	357.00	5712.00		
<a href="#">BC-5, 4/0</a>	5 foot battery/inverter cable 4/0	2	50	100		
<a href="#">BC-1, 4/0</a>	1 foot battery cable 4/0	16	10	160		
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00		
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00		
<a href="#">MNPV12</a>	MNPV12 Midnight Solar	1	143.00	143.00		
<a href="#">MNEPV15</a>	DinRails DC Breakers 15 Amps	8	10.00	80.00		
<a href="#">Cable , 10AWG</a>	V OUTPUT-MC4 MALE & FEMALE 30F	8	35.00	280.00		
Total Cost of the materials without any incentives or rebates				\$14,951.30	<b>\$ 2.23</b>	per Watt
Sub Total Before Tax Credit				\$14,951.30		
Federal Tax Credit of 30%				-4485.39		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$10,465.91	<b>\$ 1.56</b>	per Watt

Simple Payback Period for the materials only			10.14	Years	
Note:					
1.) All the products come with manufacturer warranty					
<a href="#">2.)For the mounting system, please contact us</a>					
3.) The savings is calculated based on electricity cost of \$.10/KWH.					
If you are from a place where the utility electric cost is different , than the payback period above will vary					
If your rate is	Payback would be, after 30% Tax Credit		Payback without 30% Tax credit		
\$.15/KWH	6.76	Years	9.66	Years	
\$.20/KWH	5.07	Years	7.24	Years	
\$.30/KWH	3.38	Years	4.83	Years	
\$.40/KWH, For Example HI, AK	2.53	Years	3.62	Years	
Additional incentives are available and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA,OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.					
<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a>					



Sun Electronics International  
 Phone: 305-536-9917  
 Email: info@sunelec.com

Customer Ref: NA  
 Date: 1/1/2016

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**Contact Information**

Project Name	Grid Tied PV System, 6.72KW						
Customer Name	First Last						
Address	ABC Drive, ABC City, FL 34984						
Contact Person	First Last						
Phone Number	<a href="tel:000.000.0000">000.000.0000</a>						

**Objective / Customer Requirements**

Sample...  
 The objective of the customer was to use the full advantage of 30% ITC. Based on the space availability on the customers roof, 6.7KW Grid-Tied PV System with Roof Mounting is suggested. The objective also is to monitor the system performance over the internet.

**Resources Used**

Sample...  
 Based on the description of the site by the customer, the preliminary shading analysis was performed using Google SketchUp, and/or AutoCAD and/or Google Earth. PVWATTS v.2 was used to obtain overall derate factor and the total revenue generated by the system. The default derate factor available at PVWATTS v.2 was customized because of the tilt angle and the inverter efficiency.

**Proposed System Information**

System Type	Grid Tied with Roof Mounting						
System Size	6.7 Kilowatts						
Solar Panel	Suniva Solar Panels -280W						
Inverter	SMA, 6KW Grid-Tied Inverter						

**PVWATTS v.2 Analysis**

Site Informaiton				
City: (Wheather Source Data)	(TMY2) WEST PALM BEACH, FL 41 mi			
State:	Florida			
Latitude:	26.68° N			
Longitude:	80.10° W			
PV System Specifications				
DC Rating:	6.7KW			
DC to AC Derate factor	0.8428			
Array Type:	Fixed Tilt /Roof Mount			
Array Tilt:	20°			
Array Azimuth:	180.0° Perfectly South Facing			
The expected revenue that the electricity generated				
Month	Solar Radiation (kWh/m 2/day)	AC Energy (kWh)	Energy Value (\$)	
January	4.37	723	75	
February	4.85	725	75	
March	5.51	891	93	
April	5.82	902	94	
May	5.65	911	95	
June	5.33	817	85	
July	5.61	885	92	
August	5.57	879	91	
September	5.27	806	84	
October	4.88	777	81	
November	4.39	691	72	
December	4.09	677	70	
Year	5.11	9684	\$ 1,007.00	
Total Cost of the equipment for 6.7KW Grit-Tied System W Mounting				

Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">SUN 305</a>	CSUN 305 Watts, Crystalline (Grade B) 72 Cells, UL	22	131.15	2885.30		
<a href="#">SB6000US-US-TL-22</a>	SB6000US-TL-22 SMA grid-tied inverter 6KW, 1.5KW Emergency Outlet	1	2766.00	2766.00		
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00		
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00		
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00		
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00		
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.53	101.53		
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	2	8.00	23.61		
<a href="#">MNTS</a>	Fuses holder	2	8.00	23.61		
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 10	2	72.00	144.00		
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1332.00	1332.00		
Total Cost of the materials without any incentives or rebates				\$7,591.05	\$ 1.13	per Watt
Sub Total Before Tax Credit				\$7,591.05		
Federal Tax Credit of 30%				-2277.315		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$5,313.74	\$ 0.79	per Watt
<b>Simple Payback Period for the materials only</b>				5.28	Years	
Note:						
1.) All the products come with manufacturer warranty						
2.)The roof mount system is a flush mount						
3.) The savings is calculated based on electricity cost of \$.10/KWH.						
<b>If you are from a place where the utility electric cost is different , than the payback period above will vary</b>						
	If your rate is ( \$/KWH)		Payback would be, after 30% Tax Credit			
	\$.15/KWH		3.52	Years		
	\$.20/KWH		2.64	Years		

Additional incentives are available and may be significant in TX, FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.		
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<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a>
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Sun Electronics International  
 Phone: 305-536-9917  
 Email: info@sunelec.com

Customer Reference: NA  
 Date: 1/1/2016

**Contact Information**

Project Name	Grid Tied PV System, 6.72KW
Customer Name	First Last
Address	ABC Drive, ABC City, FL 34984
Contact Person	First Last
Phone Number	<a href="tel:000.000.0000">000.000.0000</a>

**Objective / Customer Requirements**

Sample...

The objective of the customer was to use the full advantage of 30% ITC. Based on the space availability on the customers roof, 6720Watts Grid-Tied PV System with Roof Mounting is suggested. The objective also is to monitor the system performance over the internet.

**Resources Used**

Sample...

Based on the description of the site by the customer, the preliminary shading analysis was performed using Google SketchUp, and/or AutoCAD and/or Google Earth. PVWATTS v.2 was used to obtain overall derate factor and the total revenue generated by the system. The default derate factor available at PVWATTS v.2 was customized because of the tilt angle and the inverter efficiency.

**Proposed System Information**

**Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA**

System Type	Grid Tied with Roof Mounting
System Size	6.72 Kilowatts
Solar Panel	Suniva Solar Panels -280W
Inverter	SMA, 6KW Grid-Tied Inverter

Site Informaiton				
City: (Wheather Source Data)	(TMY2) WEST PALM BEACH, FL 41 mi			
State:	Florida			
Latitude:	26.68° N			
Longitude:	80.10° W			
PV System Specifications				
DC Rating:	6.72KW			
DC to AC Derate factor	0.8428			
Array Type:	Fixed Tilt /Roof Mount			
Array Tilt:	20°			
Array Azimuth:	180.0° Perfectly South Facing			
The expected revenue that the electricity generated				
Month	Solar Radiation (kWh/m 2/day)	AC Energy (kWh)	Energy Value (\$)	
January	4.37	723	75	
February	4.85	725	75	
March	5.51	891	93	
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August	5.57	879	91	
September	5.27	806	84	
October	4.88	777	81	
November	4.39	691	72	
December	4.09	677	70	
Year	5.11	9684	\$ 1,007.00	
Total Cost of the equipment for the proposed PV system				



**Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA**

Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	24	190.40	4569.60		
<a href="#">SB6000US-US-TL-22</a>	SB6000US-TL-22 SMA grid-tied inverter 6KW, 1.5KW Emergency Outlet	1	2766.00	2766.00		
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00		
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00		
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00		
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00		
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.53	101.53		
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	2	8.00	16.00		
<a href="#">MNTS</a>	Fuses holder	2	8.00	16.00		
<a href="#">Cable ,10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE	2	72.00	144.00		
Total Cost of the materials without any incentives or rebates				\$7,928.13	<b>\$ 1.18</b>	per Watt
Sub Total Before Tax Credit				\$7,928.13		
Federal Tax Credit of 30%				<b>-2378.439</b>		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$5,549.69	<b>\$ 0.83</b>	per Watt
Simple Payback Period for the materials only				5.51	Years	

**Note:**

1.) All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The sacings is calculated based on the electricity cost of \$.10/KWH-AC

**If you are from a place where the utility electric cost is different , than the payback period above will vary**

If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit
\$ .15/KWH	3.67 Years
\$ .20/KWH	2.76 Years

Additional incentives are avaialbe and maybe significant in TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <http://www.dsireusa.org/> for more information regarding additional incentives.

[If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here](#)



Sun Electronics International  
 Phone: 305-536-9917  
 Email: info@sunelec.com

Customer Ref: NA  
 Date: 1/1/2016

**Contact Information**

Project Name	Grid Tied PV System, 6.72KW
Customer Name	First Last
Address	ABC Drive, ABC City, FL 34984
Contact Person	First Last
Phone Number	<a href="tel:000.000.0000">000.000.0000</a>

**Objective / Customer Requirements**

Sample...  
 The objective of the customer was to use the full advantage of 30% ITC. Based on the space availability on the customers roof, 6720Watts Grid-Tied PV System with Roof Mounting is suggested. The objective also is to monitor the system performance over the internet.

**Resources Used**

Sample...  
 Based on the description of the site by the customer, the preliminary shading analysis was performed using Google SketchUp, and/or AutoCAD and/or Google Earth. PVWATTS v.2 was used to obtain overall derate factor and the total revenue generated by the system. The default derate factor available at PVWATTS v.2 was customized because of the tilt angle and the inverter efficiency.

**Proposed System Information**

**Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA**

System Type	Grid Tied with Roof Mounting
System Size	6.72 Kilowatts
Solar Panel	Suniva Solar Panels -280W
Inverter	SMA, 6KW Grid-Tied Inverter

**PVWATTS v.2 Analysis**

Site Informaiton			
City: (Wheather Source Data)	(TMY2) WEST PALM BEACH, FL 41 mi		
State:	Florida		
Latitude:	26.68° N		
Longitude:	80.10° W		
PV System Specifications			
DC Rating:	6.72KW		
DC to AC Derate factor	0.8428		
Array Type:	Fixed Tilt /Roof Mount		
Array Tilt:	20°		
Array Azimuth:	180.0° Perfectly South Facing		
The expected revenue that the electricity generated			
Month	Solar Radiation (kWh/m 2/day)	AC Energy (kWh)	Energy Value (\$)
<b>January</b>	4.37	723	75
<b>February</b>	4.85	725	75
<b>March</b>	5.51	891	93
<b>April</b>	5.82	902	94
<b>May</b>	5.65	911	95
<b>June</b>	5.33	817	85
<b>July</b>	5.61	885	92
<b>August</b>	5.57	879	91
<b>September</b>	5.27	806	84
<b>October</b>	4.88	777	81
<b>November</b>	4.39	691	72
<b>December</b>	4.09	677	70
<b>Year</b>	<b>5.11</b>	<b>9684</b>	<b>\$ 1,007.00</b>
<b>Total Cost of the equipment for the proposed PV system</b>			

**Solar Panels , Inverter and Roof-Mounting Hardware are all made in the USA**

Item Code	DESCRIPTION	Quantity	Price Each	Amount		
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	24	190.40	4569.60		
<a href="#">SB6000US-US-TL-22</a>	SB6000US-TL-22 SMA grid-tied inverter 6KW, 1.5KW Emergency Outlet	1	2766.00	2766.00		
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00		
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00		
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00		
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00		
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.53	101.53		
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	2	8.00	16.00		
<a href="#">MNTS</a>	Fuses holder	2	8.00	16.00		
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 10	2	72.00	144.00		
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1443.00	1443.00		
Total Cost of the materials without any incentives or rebates				\$9,371.13	\$ 1.39	per Watt
Sub Total Before Tax Credit				\$9,371.13		
Federal Tax Credit of 30%				-2811.339		
Other Local Incentives						
Total cost of the equipment after the tax credit				\$6,559.79	\$ 0.98	per Watt
Simple Payback Period for the materials only				6.51	Years	
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC</p>						
<p style="color: red;">If you are from a place where the utility electric cost is different , than the payback period above will vary</p>						
	If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit				
	\$.15/KWH		4.34	Years		
	\$.20/KWH		3.26	Years		

Additional incentives are available and may be significant in TX, FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.		
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<a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly here</a>		
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The expected annual revenue from the electricity generated			
Month	Solar Radiation (kWh/m 2/day)	AC Energy (kWh)	Energy Value (\$)
Year	6.00	2483607	\$ 2,483.61

Total Cost of the equipment for the proposed PV system					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
JAP6-72-280P	280 Watts, JA Solar Solar Panel, Poly, Silver,72 Cells,	48	190.40	9139.20	
<a href="#">SB6000US-US-TL-22</a>	SB6000US-TL-22 SMA grid-tied inverter 6KW, 1.5KW Emergency Outlet	2	2766.00	5532.00	
<a href="#">SMA SWPB</a>	SMA SWPB Piggy Back Webconnect.	1	160.00	160.00	
<a href="#">RS485Cable</a>	RS485Cable 50Ft	1	75.00	75.00	
<a href="#">LA302R</a>	Lightning Arrestor AC	1	40.00	40.00	
<a href="#">LA302DC</a>	Lightning Arrestor DC	1	40.00	40.00	
<a href="#">MNPV6</a>	MNPV6 Midnight Solar	1	101.30	101.30	
<a href="#">MNFUSE 15</a>	15 Amps DC Fuse	4	8.00	32.00	
<a href="#">MNTS</a>	Fuses holder	4	8.00	32.00	
<a href="#">Cable , 10AWG</a>	PV OUTPUT-MC4 MALE & FEMALE 10	4	72.00	288.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	2800.00	2800.00	
Total Cost of the materials without any incentives or rebates				\$18,239.50	\$ 1.36 per Watt
Sub Total Before Tax Credit				\$18,239.50	
Federal Tax Credit of 30%				-5471.85	
Total cost of the equipment after the tax credit				\$12,767.65	\$ 0.95 per Watt
Simple Payback Period for the materials only				5.14	Years

Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$.10/KWH-AC

If you are from a place where the utility electric cost is different , than the payback period above will vary

If your rate is ( \$/KWH)	Payback would be, after 30% Tax Credit
\$.15/KWH	3.43 Years

Panel Size	Qty	Total Wattage of the system			
280	40	11,200	Watts		
<b>Total Cost of the equipment for the 6KW Micro-Inverter Grid-Tied PV system</b>					
Item Code	DESCRIPTION	Quantity	Price Each	Amount	
<a href="#">OPT280SW-210</a>	280 Watts, Suniva Solar Panel, Mono, Silver, B, 60 Cells, UL, Made in USA	40	173.60	6944.00	
<a href="#">P300-2NM4ARS</a>	Solar Edge DC Optimizer	40	69.00	2760.00	
<a href="#">SE10000A-US-U</a>	Solar Edge Inverter, 10KW, 240VAC, 60Hz	1	1986.00	1986.00	
<a href="#">PV-Unirac-SM</a>	PV Mounting Unirac Solar Mount Roof Mounting Hardware for 24 panels, Includes SM Rails, L-feets, Grounding Lugs, Integrated Bonding End and Mid Clamps	1	1950.00	1950.00	
<a href="#">QMSC-A</a>	Quickmount PV Classic Composition Mount with 6" hanger bolt	80	18.00	1440.00	
Total Cost of the materials without any incentives or rebates				\$15,080.00	\$ 1.35 per Watt
Sub Total Before Tax Credit				\$15,080.00	
Federal Tax Credit of 30%				-4524	
Other Local Incentives					
Total cost of the equipment after the tax credit				\$10,556.00	\$ 0.94 per Watt
Simple Payback Period for the materials only				6.08	Years
<p>Note: All the products come with manufacturer warranty - 25 years for Solar Panels, 5 years for Inverter, 25 Years for Mounting etc. This system qualifies for IBC 2012 ( Fire Class A compliance ) - strongly recommended for residential roof-top solar in fire prone areas such as Sand Diego, Yosomite etc. The roof mount system is a flush mounted to the roof. The sacings is calculated based on the electricity cost of \$. 10/KWH-AC</p>					
<p style="color: red;">If you are from a place where the utility electric cost is different , than the payback period above will vary</p>					
	If your rate is ( \$/KWH)		Payback would be, after 30% Tax Credit		
	\$.15/KWH		4.05	Years	
	\$.20/KWH		3.04	Years	
<p>Additional incentives are available and maybe significant in CA, TX,FL, NY, MA, NH, GA, CO, WA, OR. Please go to <a href="http://www.dsireusa.org/">http://www.dsireusa.org/</a> for more information regarding additional incentives.</p>					
<p><a href="#">If you need to customize this system a little bit or have questions regarding this please contact our engineers directly f</a></p>					