

Table 2 List of Parts Included in **UPSUI1620** Integrated Installation Package

<b>Item</b>	<b>Qty</b>	<b>Description</b>
1	9	Evergreen Solar ES-180-RL Modules (180W each)
2	1	Package UV resistant wire ties
3	9	Lay-In Ground Lugs with SS set screws and mounting hardware
4	1	Module Mounting Rail Set (See details for region)
5	1	Tube 50-year Weather Sealant
6	1	6x6x4-inch PVC W/P Junction Box
7	1	7-pole UL-listed terminal strip for JB
8	5	Cord connectors for module leads (1/2" KO, 3 2-hole & 2 1-hole)
9	1	Outback PSPV Combiner Box with 1 negative bus
10	3	1P 15A dc breakers for PSPV
11	1	DC Surge Arrestor
12	1	Outback PS2DC DC Component Enclosure
13	1	40A DC Circuit Breaker (Array Disconnect)
14	1	50A DC Circuit Breaker (Charge Controller Disconnect)
15	1	GFDI assembly
16	1	175A DC Circuit Breaker
17	1	Set of pos, neg and ground bus
18	1	Outback MX-60 Charge Controller
19	1	Outback GVFX-3648 Inverter
20	1	Outback PS2AC AC Component Enclosure
21	1	1P60A AC Breaker
22	1	Set of AC in, AC out, neutral & gnd bus
23	1	Inverter Bypass Switch
24	3	1P15A AC Breakers
25	1	60A visible, lockable, load break W/P Disconnect
26	4	Concorde PVX-1080T Sealed LA Batteries or options
27	1	Set 2/0 battery cables (2 6-ft & 3 13-inch)
28	1	Mate Display Unit
29	1 ea	Hub 4, AC & DC inverter covers, PS2MP mounting plate

All other parts for the system, such as THWN-2 wire, PVC conduit, conduit fittings, straps and mounting screws are standard AC electrical components that are readily available from your favorite electric parts supplier.

### **Manufacturers' Documents Included in this System Manual**

Evergreen Solar ES-180RL PV Module Data Sheets  
 Unirac Solar Mount Installation Instructions and Code Compliant Planning and Assembly  
 Outback PSPV Combiner Box and PS2DC DC Component Enclosure Data Sheets  
 Outback MX-60 MPPT Charge Controller Instruction and Installation Manual  
 Outback FX-3648 Inverter Instruction and Installation Manual  
 Outback PS2AC AC Component Enclosure Data Sheets  
 Concorde PVX-1080T Battery Data Sheets