

Table 2 List of Parts Included in **UPSUI6480** Integrated Installation Package

Item	Qty	Description
1	36	Evergreen Solar ES-180-RL Modules (180W each)
2	2	Package UV resistant wire ties
3	36	Lay-In Ground Lugs with SS set screws and mounting hardware
4	1	Module Mounting Rail Set (See details for region)
5	4	Tube 50-year Weather Sealant
6	6	6x6x4-inch PVC W/P Junction Box
7	6	5-pole UL-listed terminal strips for JB's
8	18	Module lead cord connectors (1/2" KO, 12 2-hole & 6 1-hole)
9	2	Outback PSPV Combiner Box with 3 negative bus
10	12	1P 15A dc breakers for PSPV
11	3	DC Surge Arrestor
12	1	Outback PS4DC DC Component Enclosure
13	3	60A DC Circuit Breaker (Array Disconnect)
14	3	60A DC Circuit Breaker (Charge Controller Disconnect)
15	2	GFDI assembly
16	2	175A DC Circuit Breaker
17	1	Set of pos, neg and ground bus
18	3	Outback MX-60 Charge Controller
19	2	Outback GVFX-3648 Inverter
20	1	Outback PS4AC AC Component Enclosure
21	1	2P60A AC Breaker
22	1	Set of AC in (2), AC out (2), neutral & gnd bus
23	2	Inverter Bypass Switch
24	7	AC Breakers (5 1P15A & 2 1P20A)
25	1	60A visible, lockable, load break W/P Disconnect
26	8	L-16 AGM Sealed LA Batteries or Option 2, 3 or 4
27	1	Set 2/0 battery cables
28	5	Battery temperature sensors
29	1	Mate Display Unit
30	1 ea	Hub 10, AC & DC inverter covers, PSMP 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-180RLPV 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
 Battery Data Sheets