

Table 2 List of Parts Included in **UPSUI1800** Integrated Installation Package

Item	Qty	Description
1	15	Evergreen Solar EC-120-GL PV Modules
2	1	Package UV resistant wire ties
3	15	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	2	4x4x2-inch PVC W/P Junction Boxes
7	1	6x6x4-inch PVC W/P Junction Box
8	2	2-pole UL-listed terminal strip for JB
9	1	3-pole UL-listed terminal strip for JB (or 1 2-pole & 1 5-pole)
10	5	Cord connectors for module leads (1/2" KO, 3 2-hole & 2 1-hole)
11	1	Outback PSPV Combiner Box with 1 negative bus
12	3	1P 15A dc breakers for PSPV
13	1	DC Surge Arrestor
14	1	Outback PS2DC DC Component Enclosure
15	1	50A DC Circuit Breaker (Array Disconnect)
16	1	60A DC Circuit Breaker (Charge Controller Disconnect)
17	1	GFDI assembly
18	1	175A DC Circuit Breaker
19	1	Set of pos, neg and ground bus
20	1	Outback MX-60 Charge Controller
21	1	Outback GVFX-3648 Inverter
22	1	Outback PS2AC AC Component Enclosure
23	1	1P60A AC Breaker
24	1	Set of AC in, AC out, neutral & gnd bus
25	1	Inverter Bypass Switch
26	4	1P15A AC Breakers
27	1	60A visible, lockable, load break W/P Disconnect
28	8	Concorde PVX-1080T Sealed LA Batteries or app alternates
29	1	Set 2/0 battery cables (2 8-ft & 8 13-inch)
30	1	Hub 4, Mate, PS2MP, battery temperature sensors (optional)

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 EC-120-GL Module Data Sheets and Installation Instructions
 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