

Table 2 List of Parts Included in **UPSUI2280** Integrated Installation Package

Item	Qty	Description
1	12	Evergreen Solar ES-190-RL Modules (190W each)
2	1	Package UV resistant wire ties
3	12	Lay-In Ground Lugs with SS set screws and mounting hardware
4	1	Module Mounting Rail Set (See details for region)
5	2	Tube 50-year Weather Sealant
6	2	6x6x4-inch PVC W/P Junction Box
7	1	5-pole & one 4-pole UL-listed terminal strip for JB
8	6	Cord connectors for module leads (1/2" KO, 4 2-hole & 2 1-hole)
9	1	Outback PSPV Combiner Box with 1 negative bus
10	4	1P 15A dc breakers for PSPV
11	1	DC Surge Arrestor
12	1	Outback PS2DC DC Component Enclosure
13	1	50A DC Circuit Breaker (Array Disconnect)
14	1	60A 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	4	1P15A AC Breakers
25	1	60A visible, lockable, load break W/P Disconnect
26	8	Concorde PVX-1080T Sealed LA Batteries or options
27	2	Battery temperature sensors
28	1	Set 2/0 battery cables (2 6-ft & 8 13-inch)
29	1	Mate Display Unit
30	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-190-RL 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