

Table 2 List of Parts Included in **UPSUI4320-2** Integrated Installation Package

Item	Qty	Description
1	24	Evergreen Solar ES-180-RL Modules (180W each)
2	24	Lay-In Ground Lugs with SS set screws and mounting hardware
3	1	Module Mounting Rail Set (See details for region)
4	21	Terminal blocks for array wiring splicing
5	20	Module lead cord connectors (1/2" KO, 1-hole)
6	1	Outback PSPV Combiner Box with 2 negative bus
7	8	1P 15A 150V dc breakers for PSPV
8	2	DC Surge Arrestor
9	1	Outback PS2DC DC Component Enclosure
10	2	60A DC Circuit Breaker (Array Disconnect)
11	2	60A DC Circuit Breaker (Charge Controller Disconnect)
12	1	GFDI assembly
13	2	175A DC Circuit Breaker
14	1	Set of pos, neg and ground bus
15	1	PS2CCB-2 Charge controller mounting bracket
16	2	Outback MX-60 Charge Controller
17	2	Outback GVFX-3648 Inverter
18	1	Outback PS2AC AC Component Enclosure
19	1	2P60A AC Breaker
20	1	Set of AC in (2), AC out (2), neutral & gnd bus
21	1	Inverter Bypass Switch
22	6	AC Breakers (4 1P15A & 2 1P20A)
23	1	X-240 Autotransformer
24	2	ACA Conduit Adapter
25	2	DCA Conduit Adapter
26	1	Hub 4 & Mate System Controller
27	1	PS2MP Mounting Plate
28	8	PVX1080T Sealed LA Batteries or Option 2, 3 or 4
29	1	Set 4/0 battery cables (2 8-ft & 8 13-in)

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
 Battery Data Sheets