

Table 2 List of Parts Included in **UPSUI5280** Integrated Installation Package

Item	Qty	Description
1	32	Solar World SW165 PV Modules
2	2	Package UV resistant wire ties
3	32	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	2	12x12x4-inch PVC W/P Junction Box
7	40	UL-listed terminal blocks for Junction Box
8	20	Cord connectors (1/2" KO, 16 2-hole & 4 1-hole)
9	2	Outback PSPV Combiner Box with 1 negative bus
10	16	1P 10A DC breakers for PSPV
11	2	DC Surge Arrestor
12	1	Outback PS2DC DC Component Enclosure
13	1	2P60A DC Circuit Breaker for array (150V rating)
14	1	2P60A DC Circuit Breaker for charge controller (150V rating)
15	1	GFDI assembly
16	2	175A DC Circuit Breaker
17	1	Set of pos, neg and ground bus + DC shunt
18	2	Outback MX-60 Charge Controller
19	2	Outback GVFX-3648 Inverter
20	1	Outback PS2AC AC Component Enclosure
21	1	2P60A AC Breaker
22	1	Set of AC in (Qty 2), AC out (Qty 2), neutral & gnd bus
23	1	Inverter Bypass Switch
24	6	AC Breakers (per owner site requirements)
25	1	60A visible, lockable, load break W/P sw
26	8	Concorde PVX-1080T Sealed LA Batteries
27	1	Set 2/0 battery cables (2 8-ft & 8 13-inch)
28	1	Hub 4, Mate, PS2MP, battery temperature sensors
29	2	Set of ACA, DCA & PS2-CCB Inverter Accessories

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

Manufacturers' Documents Included in this System Manual

SW165 Module Data Sheets

Array Mount Data Sheets

PSPV Source Circuit Combiner Box Data Sheets

PS2AC & DC Component Enclosure Installation Instructions

OBDC-GFP/2 GFDI Installation Instructions

MX-60 MPPT Charge Controller Manual

FX-3648 Inverter Installation, Operation and Maintenance Manual

Concorde PVX-1080T Battery Data Sheets