

Table 2 List of Parts Included in **UPSUI2640** Integrated Installation Package

<b>Item</b>	<b>Qty</b>	<b>Description</b>
1	16	Solar World SW165 PV Modules
2	1	Package UV resistant wire ties
3	16	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	1	10x10x4-inch PVC W/P Junction Box
7	20	UL-listed terminal blocks for Junction Box
8	10	Cord connectors (1/2" KO, 8 2-hole & 2 1-hole)
9	1	Outback PSPV Combiner Box with 1 negative bus
10	8	1P 10A dc breakers for PSPV
11	1	DC Surge Arrestor
12	1	Outback PS2DC DC Component Enclosure
13	1	60A DC Circuit Breaker for array (150V rating)
14	1	60A DC Circuit Breaker for charge controller (150V rating)
15	1	GFDI assembly
16	1	175A DC Circuit Breaker
17	1	Set of pos, neg and ground bus + DC shunt
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 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	1	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