

Table 2 List of Parts Included in **UPSUI650** Integrated Installation Package

Item	Qty	Description
1	5	Kyocera KC-130G PV Modules
2	1	Package UV resistant wire ties
3	5	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	1	4x4x2-inch PVC W/P Junction Box
7	1	3-pole UL-listed terminal strip for JB
8	2	Cord connectors (1/2" KO, 1 2-hole & 1 1-hole)
9	1	Outback PS2DC DC Component Enclosure
10	1	DC Surge Arrestor
11	1	15A DC Circuit Breaker (Array Disconnect)
12	1	30A DC Circuit Breaker (Charge Cont Output Disconnect)
13	1	GFDI assembly
14	1	125A DC Circuit Breaker (175A optional)
15	1	Set of pos, neg and ground bus
16	1	Outback MX-60 Charge Controller
17	1	Outback GVFX-3648 Inverter
18	1	Outback PS2AC AC Component Enclosure
19	1	1P60A AC Breaker
20	1	Set of AC in, AC out, neutral & gnd bus
21	1	Inverter Bypass Switch
22	2	1P15A AC Breakers
23	1	60A visible, lockable, load break W/P Disconnect
24	4	Concorde PVX-1080T Sealed LA Batteries or app alt
25	1	Set 2/0 battery cables (2 6-ft & 3 13-inch)
26	1	Set battery temperature sensors
27	1	PSPV Source Circuit Combiner Box (optional)
28	1	Hub 4, Mate, PS2MP, AC & DC Inverter conduit covers (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

KC-130G Module Data Sheets

Array Mount Data Sheets

PSPV Source Circuit Combiner Box Installation Instructions (optional)

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