

Table 2 List of Parts Included in **UPSUI2200X** Integrated Installation Package

| Item | Qty | Description |
|-------------|------------|-----------------------------------------------------------------|
| 1 | 20 | Evergreen Solar EC-110-GL PV Modules |
| 2 | 1 | Package UV resistant wire ties |
| 3 | 20 | 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 | 2 | 5-pole UL-listed terminal strip for JB |
| 8 | 6 | Cord connectors (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 | Xantrex SW5548 Inverter and Grid Tie Interface |
| 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 app alternates |
| 27 | 1 | Set 2/0 battery cables (2 8-ft & 8 13-inch) |
| 28 | 1 | set kWh meters with meter cans, battery temp sensors (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

Evergreen Solar EC-110-GL Module Data Sheets and Installation Instructions
 Array Mount Installation Instructions and Structural Data
 Outback PSPV Combiner Box and PS2DC DC Component Enclosure Data Sheets
 Outback MX-60 MPPT Charge Controller Instruction and Installation Manual
 Xantrex SW5548 Inverter and Grid Tie Interface Owner's Manuals
 Outback PS2AC AC Component Enclosure Data Sheets
 Concorde PVX-1080T Battery Data Sheets