

## Sol-Gen UB Grid-Tied Backup Systems with Outback GVFX OR Xantrex XW Inverters & BP 3230T Modules

These systems put a reverse spin on your electric meter; plus they qualify for a cash rebate from the California PUC and a 30% Federal Tax Credit.



**SOL-GEN<sup>®</sup> UB** systems automatically convert free sunshine into standard utility power quietly and reliably. When the power you generate is greater than what your house is using, your electric meter will run backwards and reduce your utility bill! The major utility companies will credit you for the power at the same rate you pay! (up to break even) Additionally whenever there is a power failure, the system will immediately and automatically take over powering your selected backup loads (wired into a separate AC load center: not included) using solar and/or stored energy.

These systems include all the major components needed for a complete installation. The modules are high performance BP Solar 3230T modules with (MC4) wires, integral bypass diodes and attractive robust anodized aluminum frame. The modules are covered by a 25-year 85% power output warranty. The flush mounting hardware included is fabricated with stainless steel hardware and anodized aluminum, engineered and designed for rapid, durable installation. (Other mounts also available). The inverters in these systems are the Outback GVFX3648 or the Xantrex XW Series. Maximum power point tracking charge regulators, switchgear and ground fault protection for the array are included and listed to UL specifications. Includes approved system performance meter. The inverter assemblies are rated NEMA1 (Indoor) and designed to mount vertically on a wall. The batteries are valve regulated (sealed) lead-acid and come with an enclosed battery shelf. Battery capacities are based on 20 hour discharge rate to 80% depth of discharge. "Selling" power back to the utility grid requires net metering agreement with your Utility Company.

**SOL-GEN UB Utility-Tied with Backup - Outback GVFX Inverters and BP 3230T Modules**

Model Number	UB1100	UB1650	UB2200	UB2750	UB3300	UB4400	UB5500	UB6600
Quote Number	126482	126510	126487	126511	127730	126490	127491	127495
PV Peak Power (Watts DC)	1380	2070	2760	3450	4140	5520	6900	8280
PV Peak Power (Watts AC) CSI*	1104	1656	2208	2760	3312	4416	5520	6624
Number and Size of Modules	6 x 230	9 x 230	12 x 230	15 x 230	18 x 230	24 x 230	30 x 230	36 x 230
PV Array Area Sq. Ft. (Approx)	110	165	218	270	323	435	540	650
Inverter Size (load watts continuous)	3600 w/ FM80	3600 w/ FM80	3600 w/ FM80	3600 w/ FM80	3600 w/ FM80	7200W, FW500	7200W, FW500	7200W, FW500
Inverter Output Voltage	120	120	120	120	120	120/240	120/240	120/240
Inverter Assembly Dimensions (H" x W" x D")	34 x 20 x 13	34 x 20 x 13	34 x 20 x 13	34 x 20 x 13	34 x 20 x 13	47 x 20.5 x 13	47 x 20.5 x 13	47 x 20.5 x 13
Number of 12V Batteries / AH capacity @ 20Hr	4 / 105	8 / 105	8 / 105	8 / 105	8 / 105	8 / 245	8 / 245	16 / 245
Battery Capacity at 80% Depth of Discharge	4 kWh	8 kWh	8 kWh	8 kWh	8 kWh	18.8 kWh	18.8 kWh	37.6 kWh
Annual Output in KWH/Year (CSI)^	1995	2992	3989	4987	5984	7979	9973	11968
Average KWH/Day (CSI)^	5.5	8.2	10.9	13.7	16.4	21.9	27.3	32.8
List Price	\$12,388	\$16,671	\$19,218	\$21,874	\$24,483	\$38,045	\$44,352	\$56,173
Extended 10 yr Warranty Cost (Pay to Outback)	\$599	\$599	\$599	\$599	\$599	\$1,198	\$1,198	\$1,198

**SOL-GEN UB Utility-Tied with Backup - Xantrex XW Inverters and BP 3230T Modules**

Model Number	UB2250-XW45	UB2800-XW45	UB3400-XW45	UB4500-XW45	UB5650-XW6	UB6750-XW45-2	UB7900-XW45-2	UB9000-XW45-2	UB9000-XW60-2
Quote Number	126634	127731	126636	126639	127732	126642	126644	127401	127620
PV Peak Power (Watts DC)	2760	3450	4140	5520	6900	8280	9660	11040	12420
PV Peak Power (Watts AC) CSI*	2257	2821	3385	4513	5641	6770	7898	8978	10100
Number and Size of Modules	12 x 230	15 x 230	18 x 230	24 x 230	30 x 230	36 x 230	42 x 230	48 x 230	54 x 230
XW-MPPT60 Charge Controller(s)	1	1	2	2	2	3	4	4	4
PV Array Area Sq. Ft. (Approx)	218	269	325	435	435	650	755	865	865
Inverter Size (load watts continuous)	4500	4500	4500	4500	6000	9000 (2*4500)	9000 (2*4500)	9000 (2*4500)	12000 (2*6000)
Inverter Output Voltage	120/240	120/240	120/240	120/240	120/240	120/240	120/240	120/240	120/240
Inverter Assembly Dimensions (H" x W" x D")	32 x 30 x 9	32 x 30 x 9	32 x 30 x 9	32 x 30 x 9	32 x 30 x 9	48 x 30 x 9	48 x 30 x 9	48 x 30 x 9	48 x 30 x 9
Number of 12V Batteries / AH capacity @ 20Hr	4 / 105	4 / 105	8 / 105	8 / 245	8 / 245	8 / 245	16 / 245	16 / 245	16 / 245
Battery Capacity at 80% Depth of Discharge	8 kWh	8 kWh	8 kWh	18.8 kWh	18.8 kWh	18.8 kWh	37.6 kWh	37.6 kWh	37.6 kWh
Annual Output in KWH/Year (CSI)^	4077	5096	6116	8154	10193	12231	14270	16220	18248
Average KWH/Day (CSI)^	11.2	14.0	16.8	22.3	27.9	33.5	39.1	44.4	50.0
List Price	\$20,266	\$22,913	\$26,380	\$34,790	\$40,587	\$58,338	\$64,503	\$71,174	\$77,313
Extended Warranty Cost (Pay to Xantrex)	\$400	\$400	\$400	\$400	\$400	\$800	\$800	\$800	\$800

\*CSI AC rating with optimal tilt and orientation & no shading (no design factor derate)    ^ Based on 5.5 ESH and 0.9 General Loss Factor