



4kW Pre-Wired Panel Remote Power System

PWP4KW™



Factory Pre-Wired Panel for the complete Off-Grid Power System:

- 4000 Watt 48V Inverter / Charger
120/240 VAC Split Phase, 120VAC
or 230 VAC, 50Hz or 60Hz
- 80 Amp, 200 Voc MPPT PV Charge
Controller with State of Charge
- Remote Monitoring Gateway
- All the Breakers and GFCI

Dramatically Cut Installation Time

The PWP4KW Pre-Wired Panel includes all the parts for a small Off-Grid power system. Its small footprint makes it an easy fit for cabins, cottages, homes and remote communication sites. Just connect PV input, Battery Cables and AC. Optional generator selector.

TSW4048 48VDC True Sine Wave Inverter/Charger

120/240VAC Split Phase operation with no external transformers for step-up, step-down, or balancing, saving added costs and several points of efficiency. The output provides 240 volts for well pumps, appliances, or shop tools while providing 120 volts for standard circuits. The loads can be unbalanced by 75%.

8kVA of Surge Power Capacity for Motor Starting

Over 200% of the rated power is available to allow for intermittent loads for short periods, like well pumps.

80 Amp MPPT Charge Controller 200Voc PV input

The T80HV is the only MPPT charge controller that works with the higher voltage PV modules.

Energy Monitor Built In

The T80HV includes a built-in Energy Monitor using TriMetric™ Technology. The monitor tracks power production and consumption to calculate the energy remaining in the battery. State-of-Charge (SOC) is displayed in Percent Full, Amp-hours, Watt-Hours, and Bar-Graph format. In addition, 90 days of energy-harvest history is stored in the T80HV.

All the circuit breakers are visible

In addition to the 175 Amp inverter breaker, the Inverter Switchgear Module (ISM) has room for 18 AC or DC DIN rail circuit breakers.

Exclusive Remote Monitoring from any PC

The PWP systems include the Apollo Communication Gateway which gathers the data over the ASnet from the TSW and the T80HV and sends it to the internet via an Ethernet cable. Monitor total system performance at any time including PV input, battery SOC, Load power and full internal diagnostics. See a graphical history of performance.

Stacking of Multiple PWP Systems

The PWP systems work seamlessly in parallel to provide additional current into the battery and for the AC loads. Two PWP systems produce 8kW continuous power and 3 will produce 12kW either single phase or 3 phase.

UL Certified for US and Canada

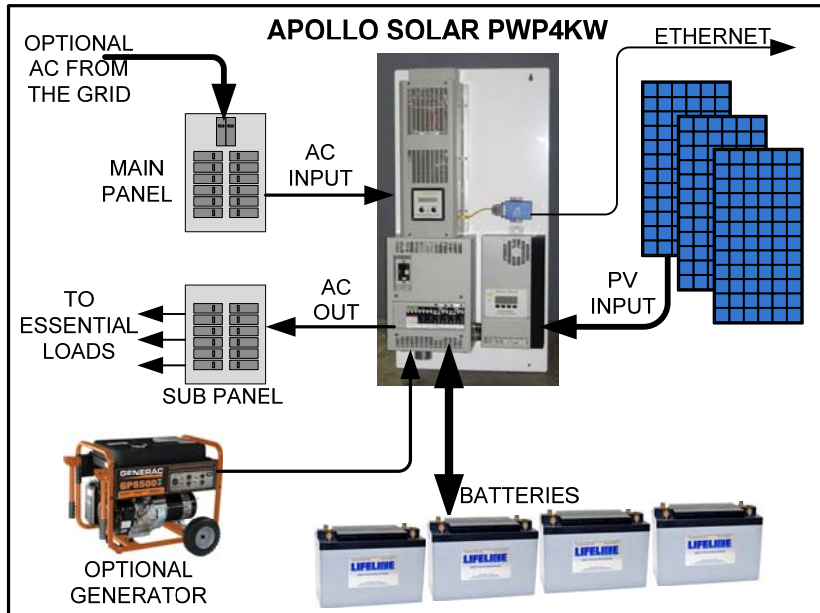
All of the products are certified to UL-1741 and CSA C22.2 No. 107.1

Part Number:	Description	Item Included
PWP3.2KW	3.2kW of AC output	TSW3224 Inverter Charger, T80HV Charge Controller, ISM120/240, Apollo Communication Gateway, Back panel.
PWP4KW	4kW of AC output	TSW4048 Inverter Charger, T80HV Charge Controller, ISM120/240, Apollo Communication Gateway, Back panel.

All units are prewired and tested in our factory.

For the electrical specifications see the individual spec sheets for the TSW4048, the T80HV and the Apollo Communication Gateway.

PWP Unit dimensions	42" X 21" X 8" (1067mm X 533mm X 203mm) Length X Width X Depth
PWP Shipping dimensions	48" X 27" X 14" (1219mm X 686mm X 356mm)
Weight	Unit: 43.3 kg / 95.5 lbs Shipping weight: 48 kg / 105 lbs
Warranty	5-year Limited Warranty
Environmental.....	Enclosure: Indoor Type 1 Storage Temperature: -55°C to +100°C; Humidity: 100% non-condensing;
Included Accessory Kit	Battery voltage monitor cable, and Battery Temperature Sensor
Optional Accessories	NEMA4 (IP66) enclosures, Complete remote power systems; GSM modem for Remote Monitoring via local ethernet or via Internet



The Apollo Solar Pre-Wired Panels provide all the power management equipment required for Off-Grid or Emergency Power for a small home or business or remote telecom site.

Multiple PWP systems can be wired in parallel for up to 12kW or 120/208 volt 3 phase.

Each PWP includes:

- An MPPT Charge Controller for 5kW of PV,
- A 4kW True Sine Wave Inverter Charger to generate 120 volts and/or 240 volts of AC,
- A Switchgear Module with all the circuit breakers required including PV Ground Fault, Inverter bypass and Generator Selector switch,
- And the Apollo Communication Gateway to provide remote monitoring via the internet.

Make your off-grid and backup power installations easier and faster. Use our factory assembled Pre-Wired Panels.



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