



SOLAR STIK®

Category: Power Management

PRO-Verter 3000

Middleweight Master

The Portable Remote Operation Inverter/Charger (PRO-Verter) provides a single point of power management, control, and distribution to a portable, battery-based, electrical circuit. The “open-architecture” design of the PRO-Verter allows the operator to network multiple power generation technologies into a single operational system that supports a specific application with clean, uninterrupted power.

Situated at the midpoint of the power output range in the PRO-Verter family, the 3000 is smaller and lighter than the 5000 and 7000 model yet it retains the same integrative adaptability of the larger models. It can be custom designed to integrate with any world-standard AC grid power, DC power generation source (i.e., solar or wind via a DC Power Hub), or fuel-driven generator to supply AC and DC power for any application. The PRO-Verter supplies power to the load by drawing directly from the batteries in the system while simultaneously receiving power input from a fuel-powered generator (optional) or from DC power generation sources to charge the batteries. When inverting, the PRO-Verter 3000 can provide 2000 watts continuous, pure sine wave AC power. Power output ports can be customized to meet user needs.

The PRO-Verter can be monitored remotely. The optional Remote Monitoring Kit (RMK) transmits real-time system information over any LAN or internet gateway (sold as an accessory).

The PRO-Verter 3000 can be used in multiple situations:

- When a primary battery is used in the electrical circuit
- If reduction of fuel generator “runtime” is necessary
- When supplemental (generator or grid) power is required for a renewable power system



Exterior may appear different depending on the custom port types selected.

Features

- Power output
 - 2000 W continuous
- Compatible with 1–3 kW generators
 - Auto Generator Start/Stop (non-AGS also available)
 - Remote monitoring option
- Multiple voltage and frequency options
- Open architecture
- Stacks vertically with all Pelican 15XX cases
- MIL-STD-810H tested and government approved

Why Solar Stik?

- Modular, Scalable Architecture
- Field-proven, Rugged Designs
- Experienced Team
- 24/7 Tech Support



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General

Nominal Operating Voltage	24 VDC
Input Battery Voltage	18–34 VDC
Breakers	25 A 120 VAC Out 35 A 120 VAC Input 15 A DC Reset
User Interface	LCD for system monitoring and programming
Case	Pelican 1560 case
Warranty	1-year materials and workmanship

Inverter Specifications (@ 77 °F/ 25 °C)

Normal AC Output Voltage	120 VAC \pm 5%
Output frequency	60 Hz \pm 0.1%
Surge Power	2200 W, 30 min 2700 W, 5 min 2750 W, 30 s 2850 W, 5 s
Continuous Output Power	2000 W
Waveform	Pure sine wave (single phase)

DC Charger Specifications (@ 77 °F/ 25 °C)

Normal DC Output Voltage	24 V
Continuous Output Current	60 A DC
Charging Stages	Bulk, absorb, float, equalize and Battery Saver

Connections

AC Input	(1) AC input port (Specified by customer, see “Custom Port Type Examples”)
AC Output	(1 or 2) Output receptacles (Specified by customer, see “Custom Port Type Examples”)
DC Input/Output	(1) Inter-Connect port (Deltran 224-0061-BK) for additional DC bus, converter, or Power Hub
DC Output	(2) 12 VDC receptacles supply up to 150 watts of power to 12 VDC appliances
Battery Input	(3) Inter-Connect port (Deltran 224-0061-BK) for battery, Power Pak, or Expander Pak

Environmental

Operating temperature	-4 °F to 140 °F (-20 °C to 60 °C)
Operating humidity	0 to 95% RH noncondensing
Cooling	Normally aspirated, forced-air induction (transformer)

Custom Port Type Examples* (AC In/Out)

Port Type	NEMA	Amps	Voltage
	5-15P 5-15R	15 A	125 VAC
	L5-30P L5-30R	30 A	125 VAC
	L5-50P L5-50R	50 A	125 VAC
	L15-20P L15-20R	20 A	250 VAC
	L14-30P L14-30R	30 A	125/250 VAC

*Connectors with specifications appropriate for any world region are available. For more information about other port types and their capabilities, please contact us.

Weights and Dimensions (L x W x H)

Weight	65 lb (29.5 kg)
Dimensions	22.06 x 17.93 x 10.43 in (56.0 x 45.5 x 26.5 cm)

Case Color Options

Recommended Accessories



**PRO-Verter Remote
Monitoring Kit (RMK) LAN**
Item # 20-0702602

