



SOLAR STIK®

Category: Power Management

PRO-Verter 5000

Worldwide Power Center

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.

The versatile PRO-Verter 5000 can be configured to provide 120 VAC @ 60 Hz, 230 VAC @ 50 Hz, or both 120/240 VAC @ 60Hz output in a single unit (contact us for details). PRO-Verter's 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 5000 can provide 4000 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 5000 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
 - 4000 W continuous
- Compatible with 3–5 kW generators
 - Auto Generator Start/Stop
 - Remote monitoring option
- Multiple voltage and frequency options
- Open architecture
- Stacks vertically with all Pelican 16XX cases
- MIL-STD-810G 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 Range	18 to 34 VDC
Circuit Breaker Protection	AC Out AC Input 5 A DC Reset (will vary depending on application requirements)
User Interface	LCD for system monitoring and programming
Case	Pelican 1620
Warranty	1-year materials and workmanship

Inverter Specifications (@ 77 °F/ 25 °C)	
AC Output Voltage & Frequency	<ul style="list-style-type: none"> • 120 VAC @ 60 Hz, Single Phase • 120 / 240 VAC @ 60 Hz, Split Phase • 230 VAC @ 50 Hz, Single Phase
Max Surge Power	<ul style="list-style-type: none"> • 120 VAC @ 60 Hz Model: 5800 W • 120 / 240 VAC @ 60 Hz Models: 5800 W • 230 VAC @ 50 Hz Model: 6300 W
Continuous Output Power	4000 W
Waveform	Pure sine wave (single phase)

DC Charger Specifications (@ 77 °F/ 25 °C)	
Normal DC Output Voltage	24 V
Continuous Output Current	105 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 for additional DC bus, converter, or Power Hub
DC Output	(2) Inter-Connect port 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)
Intrusion Protection	Designed for IP54

Custom Port Type Examples* (AC In/Out)			
Port Type	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	100 lb (45.34 kg)
Dimensions	24.76 x 19.57 x 13.90 in (62.9 x 49.7 x 35.3 cm)

Case Color Options

	Black
	Silver
	Orange
	Yellow
	OD Green
Standard Color	Optional Colors



Recommended Accessories



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

