



SOLAR STIK®

Category: Power Management

# PRO-Verter 7000

## Power with an Extra Boost

A Portable Remote Operation Inverter/Charger (PRO-Verter) provides a single point of power management, control, and distribution to a battery-based electrical circuit. The PRO-Verter 7000's inverter function can provide 4000 watts continuous, pure sine wave AC power. The load support function—unique to the PRO-Verter 7000—combines inverter output with generator power to deliver up to 7000 watts. Load support can be used as long as battery capacity and operating temperature permit.

## How a PRO-Verter Works

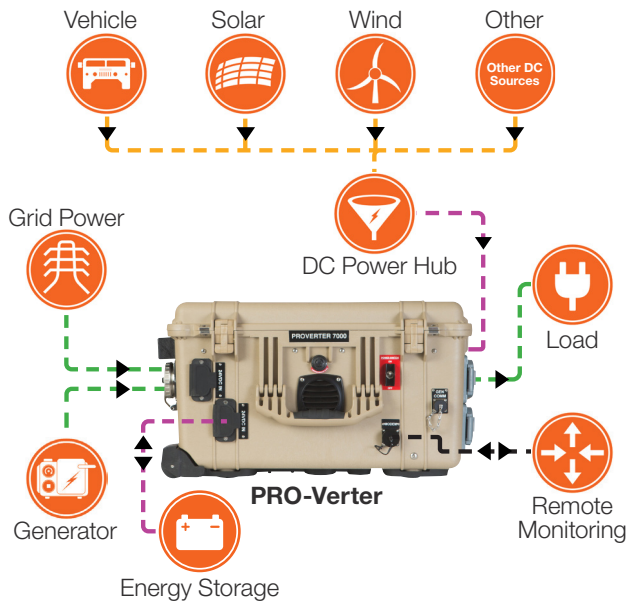
A PRO-Verter is the primary power management component in a hybrid power system. It handles load prioritization, manages generator functions, records system status, charges the battery bank, and powers AC loads using energy stored in the batteries. When used with a generator, it increases system performance by maximizing generator output and minimizing generator runtime.



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

## Features

- Power output
  - 4000 W continuous
  - Load support (output dependent on generator size)
- Compatible with 3–10 kW generators, including AAMPS
  - Auto Generator Start/Stop
  - Remote monitoring option
- Open architecture
- Stacks vertically with all Pelican 16XX cases
- MIL-STD-810G tested and government approved



Legend			
	DC Circuit		Data Circuit
	AC Circuit		Direction of Flow
	DC Inter-Connect Circuit		



Faceplate may appear different depending on type of PRO-Verter.





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**General**

Nominal Operating Voltage	24 VDC
Input Battery Voltage Range	18 to 34 VDC
Internal Cooling	(3) Passive intakes; (2) 0 to 120 cfm variable speed drive, 92 mm brushless DC fans; (2) 82 cfm dual 80 mm, 115 VAC axial exhaust fans
User Interface	LCD screen, LED indicators, ON/OFF push buttons, menu buttons, rotary SELECT knob, power switch
Case	Pelican 1620
Warranty	1-year materials and workmanship

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

Nominal AC Output Voltage	120 VAC ± 5%
Output Frequency and Accuracy	60 Hz ± 0.1 Hz
Continuous Output Power	4000 W
1 ms Surge Current	120 AAC
100 ms Surge Current	82 AAC
Efficiency	93.70%
Transfer Time	16 ms
Waveform	Pure sine wave (single phase)
Load Support	Combines 4000 W inverter output with generator power to deliver up to 7000 W
5-second Surge Power	5800 W
30-second Surge Power	5400 W
5-minute Surge Power	4900 W
30-minute Surge Power	4500 W

**Safety**

Breaker(s)	(1) AC input, (1-2) AC output, (1) DC out 5 A max, (1) fan 1 A max, (1) AC out 20 A max
Fuse(s)	(2) 3 A internal

**Connections**

Input(s)	(1) AC input up to 50 A (see Custom Port Type Examples)
Output(s)	(1) AC output up to 50 A (see Custom Port Type Examples), (1) NEMA 5-20P (120 VAC, 20 A) convenience plug, (1) General Gen Comm, (1) 24 VDC dual binding post
Input(s)/Output(s)	(3) Inter-Connect ports (Deltran 224-0061-BK), (1) Modem (RJ45)

**Environmental**

Operating Temperature	-4 to 140 °F (-20 to +60 °C)
Storage Temperature	-40 to 158 °F (-40 to +70 °C)
Operating Humidity	0 to 95% RH noncondensing
Standards	MIL-STD-810G tested

**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**


Tan Standard Color      Optional Colors: Black, Silver, Orange, Yellow, OD Green



**Recommended Accessories**



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

