PRV SERIES

Inverter



PRV2000

2000 W pure sine wave inverter



PRV3000

3000 W pure sine wave inverter

PRV SERIES

Inverter & AC transfer

DC input and AC output

Parameter	PRV2000	PRV3000
Nominal DC input	12 VDC	12 VDC
DC operating range	LBCO setting to 18.0 VDC	LBCO setting to 18.0 VDC
Continuous output at 40°C [1]	2000 W	3000 W
Surge power / duration	4000 W / 5 s	6000 W / 5 s
AC output voltage [1]	120 / 110 / 108 VAC	120 / 110 / 108 VAC
Continuous AC current at 120 VAC	16.7 A	25 A
Output waveform	Pure sine wave	Pure sine wave
Selectable frequency	60 / 50 Hz	60 / 50 Hz
DC current at full load	192 A	288 A
Peak efficiency	91%	91%
Full load efficiency	≥ 87.5%	≥ 85%

Automatic AC transfer

Parameter	PRV2000	PRV3000
Transfer relay rating	30 A	30 A
AC undervoltage setting	85-110 VAC; default 90 V	85-110 VAC; default 90 V
Transfer modes	Appliance / UPS	Appliance / UPS
Line-to-battery transfer setting [2]	APL: 20 ms / UPS: 10 ms	APL: 20 ms / UPS: 10 ms
Inverter-to-shore transfer time	<20 ms; 20 s delay	<20 ms; 20 s delay

[1] Continuous output power ratings apply to resistive loads. Power is reduced to 85% at 110 or 108 VAC. Output derates above 40°C.
[2] Do not connect motor loads in UPS mode.
LBCO = low battery cutout.

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Control & mechanical data

Control and accessories

Ignition control	ACC input; Auto-on, Lockout and Off modes.
Remote control	Optional compatible remote panel through the RJ12 Remote port.
Network integration	PowerLink connects compatible inverters to RV-C or NMEA 2000 networks.
Power-save timer	Off or 1-25 h; default 25 h. Countdown below approximately 50 W.
Load sensing	Selectable; disabled by default. Power-save mode ends above 25 W.
Protective shutdown	Low battery, overload, short circuit and over-temperature; recovery depends on settings.

Environmental and mechanical specifications

Operating ambient temperature [1]	-20 to +60°C; output derates above +40°C
Storage temperature	-40 to +70°C
Operating / storage humidity	5-95% RH, non-condensing
Cooling	Fan controlled by internal temperature or AC output power.
Overall L × W × H, including flanges	PRV2000: 388.8 × 305.2 × 105.9 mm PRV3000: 408.8 × 305.2 × 105.9 mm
Net weight	PRV2000: 7.2 kg / PRV3000: 7.5 kg
Outer carton dimensions (L × W × H)	473 × 388 × 196 mm

[1] Battery chemistry may impose additional operating limits. Follow the battery manufacturer's temperature limits.