PRO SERIES

RV&Marine Inverter/Charger





RV SERIES

PRO2000 / PRO3000

RV-C communication

MARINE SERIES

PRO2000M / PRO3000M

NMEA 2000 communication

PRO SERIES

Inverter & AC transfer

DC input and AC output

Parameter	PRO2000 / PRO2000M	PRO3000 / PRO3000M
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 output / 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	304 A
Peak / full-load efficiency	91% / ≥86%	91% / ≥84%

Automatic AC transfer

Parameter	2000 W family	3000 W family
Transfer relay rating	30 A	50 A
Continuous pass-through current	24 A	40 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	APL: 20 ms / UPS: 10 ms [2]	APL: 20 ms / UPS: 10 ms [2]
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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Battery charging & protection

Charging specifications

Parameter	PRO2000 / PRO2000M	PRO3000 / PRO3000M
Nominal battery voltage	12 VDC	12 VDC
Maximum charge current at 14.4 V [1]	100 A	150 A
Adjustable charge current	5-100 A; 5 A steps	5-150 A; 5 A steps
Custom absorption voltage	12.0-18.0 V; 0.1 V steps	12.0-18.0 V; 0.1 V steps
Custom float voltage	12.0-18.0 V; 0.1 V steps	12.0-18.0 V; 0.1 V steps
Minimum battery voltage for charging [2]	0 VDC	0 VDC
AC input range during charging	85-140 VAC	85-140 VAC
AC charging input frequency	50 / 60 Hz	50 / 60 Hz
Maximum AC charging input current	24 Arms	24 Arms
Power factor at full charge	>0.98	>0.98

Control and protection

Battery profiles	Flooded, AGM, Gel and Custom [2]
Charge management	Three-stage charging: Bulk, Absorption, Float. Power Share prioritizes AC loads by reducing charge current.
Temperature compensation	Optional compatible battery temperature sensor (BTS).
Equalization	Flooded batteries only, when permitted by the battery manufacturer.
Protective shutdown	Low battery, overload, short circuit and over-temperature; recovery depends on settings.

[1] Charging current derates above 14.4 V and may be reduced by ambient temperature.
[2] Lithium-ion batteries require a certified/listed BMS and Custom settings specified by the battery manufacturer.

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Integration & mechanical data

Interfaces and accessories

Network interface	RV-C: PRO2000 / PRO3000 NMEA 2000: PRO2000M / PRO3000M
Remote control	Optional compatible remote panel through the RJ12 Remote port.
Ignition control	RV models: ignition Auto-on and Lockout via the ACC input.
GFCI configuration	Customer-provided compatible GFCI protection.

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
Net weight	2000 W models: 7.4 kg / 3000 W models: 8.4 kg
Overall L × W × H, including flanges	RV: 408.8 × 305.2 × 125.4 mm Marine: 415.3 × 305.2 × 125.4 mm
Outer carton dimensions (L × W × H)	473 × 388 × 216 mm

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