

PowerRouter PR30S

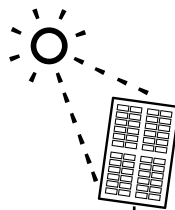
3 kW solar inverter - maximize your output

Maximize the output of your solar generator. Control and manage your solar energy - feed-in or self-use - with the management features of the PR30S. The PowerRouter is the perfect solution for on-grid, off-grid and even smart grid applications. Designed in a compact enclosure with expansion capabilities.



independently manage your power

- Compatible with all PV technologies, including thin film
- Internet connectivity
- Connect and grow
- Safe and easy installation



maximize your output

Maximize the power yield of your solar inverter by selecting the most cost effective feed-in, or for your own consumption. Continue to supply your loads during power failures.

A wide range input with efficient MPP trackers allows capture of the earliest sunshine.

you're in charge

Monitor and control your PowerRouter performance with the integrated data logging module, capable of connecting directly to the internet for remote monitoring.

Install new firmware with advanced features or perform updates remotely to keep your system up to date.

all in one

Create a full hybrid solar and wind-power solution within one enclosure. Simply extend your PowerRouter PR30S with our wind and/or battery module.

This modular solution creates a solar inverter suitable for a variety of on-grid and off-grid applications.

Specifications PowerRouter PR30S

Electrical

AC output voltage
 AC output frequency
 AC output range (off-grid)
 Continuous output power at 40 °C (P nom).
 AC output current
 Nighttime tare losses
 Protection
 Display
 Connectivity

230 Vac ± 2% true sine wave < 5% THD, single phase
 50 Hz ± 0.2%
 180-254 Vac 45-55 Hz
 3000 Wac
 13A
 4W
 electronic, fused
 integrated, 4 x 20 characters
 TCP/IP

Solar input

Solar Voltage
 MPP Voltage
 No. of strings
 Max. Input
 Max. Efficiency (EU)
 Max. MPP Efficiency
 DC Disconnection

150 - 600 Vdc + 5%
 100 - 450 Vdc
 1
 3.3 kWp and 15A
 94%
 99.9%
 optional, 2-pole, 600V, 15A

Environmental

Operating Temperature Range (full power)
 Storage Temperature
 Humidity
 Regulatory Approvals and Standards
 Safety
 Emission
 Immunity
 Anti Islanding Protection
 Warranty

- 10 °C to + 50 °C (de-rating from 40 °C)
 - 40 °C to + 70 °C
 maximum 95%, non condensing
 CE
 EN 60950-1, EN 62109-1
 EN 55014-1, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-3
 EN 55014-2
 VDE 0126.1.1, G83/1(UK), RD1663/2000(ESP), other countries on request
 five years

Mechanical

Device Dimensions (W x H x D)
 Solar Connectors
 Weight
 Protection Category
 Topology
 Cooling

544 x 504 x 149 mm
 MC4
 15.5 kg
 IP 21
 galvanic isolated transformer
 forced airflow

Connect & Grow Options

On Grid

Solar Backup
PR30S + PRE30B



Off Grid

Solar Wind Hybrid
PR30S + PRE30B + PRE30W



All specifications are subject to change without prior notice