

Inverter RS 48/6000 Smart

www.victronenergy.com

Light weight, efficient and quiet

Thanks to high frequency technology and a new design this powerful inverter weighs only 11kg. In addition to this it has an excellent efficiency, low standby power, and a very quiet operation.

Display and Bluetooth

The display reads battery and inverter parameters.

The same parameters can be accessed with a smartphone or other Bluetooth enabled device. In addition, Bluetooth can be used to set up the system and to change settings with VictronConnect.

VE.Can and VE.Direct port

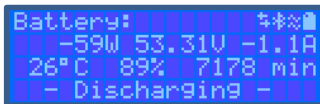
For connection to a GX device for system monitoring, data logging, and remote firmware updates.

I/O Connections

Programmable Relay, temperature sensor and voltage sensor connections. The remote input can also be configured to accept the Victron smallBMS.



Inverter RS Smart 48/6000



Configure and monitor with VictronConnect

A built-in Smart Bluetooth connection allows for quick monitoring or settings adjustment of the Inverter RS.

| Inverter RS Smart | 48/6000 |
|--|---|
| INVERTER | |
| DC Input voltage range | 38 – 64 V (4) |
| Output | Output voltage: 230 VAC ± 2% Frequency: 50 Hz ± 0.1% (1) |
| Continuous output power at 25°C | Increases linearly from 4800 W at 46 VDC to 5300 W at 52 VDC |
| Continuous output power at 40°C | 4500W |
| Continuous output power at 65°C | 3000W |
| Peak power | 9 kW for 3 seconds |
| Short-circuit output current | 50A |
| Maximum efficiency | 96.5% at 1 kW load 94% at 5 kW load |
| Zero load power | 20W |
| GENERAL | |
| Parallel and 3-phase operation | No |
| Programmable relay (3) | Yes |
| Protection (2) | a - f |
| Data Communications Ports | VE.Direct port and VE.Can port |
| General purpose analogue/digital in port | Yes, 2x |
| Remote on-off | Yes |
| Operating temperature range | -40 to +65°C (fan assisted cooling) |
| Humidity (non-condensing) | max 95% |
| ENCLOSURE | |
| Material & Colour | steel, blue RAL 5012 |
| Protection category | IP21 |
| Battery-connection | M8 bolts |
| 230 V AC-connection | Screw terminals 13 mm ² (6 AWG) |
| Weight | 11 kg |
| Dimensions (h x w x d) | 425 x 440 x 125 mm |
| STANDARDS | |
| Safety | EN-IEC 60335-1, EN-IEC 62109-1, EN-IEC 62109-2 |
| Emission, Immunity | EN 55014-1, EN 55014-2 EN-IEC 61000-3-2, EN-IEC 61000-3-3 IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-3 |
| 1) Can be adjusted to 60 Hz 2) Protection key: a) output short circuit b) overload c) battery voltage too high d) battery voltage too low e) temperature too high f) 230 VAC on inverter output 3) Programmable relay which can be set for general alarm, DC under voltage or genset start/stop function. DC rating: 4A up to 35VDC and 1A up to 70VDC 4) Minimum start-up voltage is 41V. Inverter shutdown can be set as low as 32V DC, but may shut down on low AC output voltage (due to load). Over-voltage disconnect is 65.5V. | |