

## Inverter I

Rack-mount inverter. High quality power protection.



*Inverter I4000B*

### Highlights

- | High efficiency
- | Pure sine wave AC output
- | Galvanic isolation between output and battery
- | 100% front installation and usage
- | Wide temperature range of operation
- | Fail-safe modular structure combined with fault-tolerant solutions

# RACK-MOUNT. EFFICIENT. GREAT.

I – a high quality uninterrupted power for critical environments at all times.

### Performance

I series presents a rack-mount inverter module, which ensures an uninterruptible power supply for loads operating at sinusoidal 220 VAC, generated from direct current power sources. The presence of galvanic isolation between output and battery guarantees the highest protection level for the load from external impacts.

### Reliability

Pure sine wave AC output powers equipment without performance degradation. Tested functionality under harshest conditions. Operating temperature range: -40°C ... +80°C.

### Efficiency

The high frequency conversion and the innovative topology used allow reaching very high efficiency in a very compact and user friendly design. One of the smallest footprints worldwide.

### Simplicity

Setting up and controlling via 2 buttons beside the display. Modular design for fast and safe module exchange. The real time-saving and cost-reducing plug & play system.

### Monitoring and control

Communication via HTTP, SNMP. Integrated web server and IPS' global cloud monitoring.

## Technical data

### Inverter I

| Input (DC)           |   |
|----------------------|---|
| Voltage              | 48 V ... 220 V  |
| Output (AC)          |   |
| Voltage              | 230 V   |
| Voltage form         | Sine wave   |
| Power, nominal       | Up to 4 kVA   |
| Frequency            | 50 Hz $\pm$ 0.05% / 60 Hz $\pm$ 0.05%   |
| Other specifications |   |
| Features & Benefits  | Pure sine wave AC output<br>Galvanic isolation between output and battery<br>High efficiency<br>Short MTTR<br>Six Nines availability<br>Automatic and manual bypass<br>Digital, light and sound signaling |
| Protections          | Protection against overload and short circuit at the output<br>Protection against deep battery discharge<br>Protection against high temperature   |
| Operating conditions |   |
| Ambient temperature  | -40°C ... +80°C   |
| Operating altitude   | $\leq$ 3000 m a.s.l.  |

#### Applications:

- Power- and Substations
- Railway signaling
- IT equipment
- Telecom equipment
- Airport safety devices
- Process Automation
- Defense systems
- Security systems