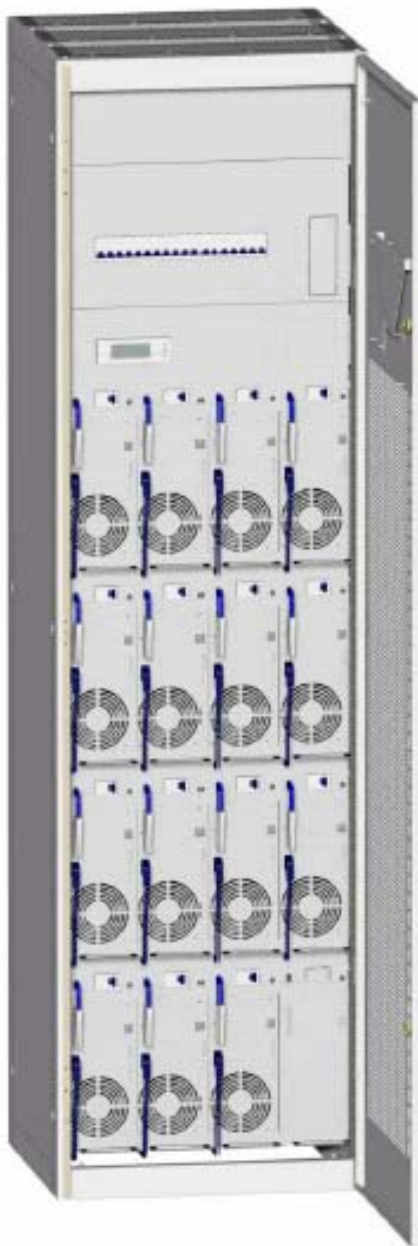


# The power advantage...

## Power System AMS 230/3000-15 ETS



### Features

- Complete 45 kVA power supply system
- Sinusoidal output voltage with low THD
- Fan cooled inverters FI 48 / 230 V – 3000 VA
- Efficiency > 88 %
- Integrated AC load distribution
- Dimensions (h x w x d) 2200 x 600 x 600 mm

### Applications

- Large inverter system
- Indoor and outdoor container
- Telecom, wireless, datacom

### Description

The AMS 230/3000-15 ETS is a single phase, fan-cooled inverter system. The stable construction is based on a frame cabinet design. The outstanding dynamic performance matches the supply requirements for state-of-the-art telecom equipment. This feature, as well as the advanced technology, are the key factors of the success of this inverter system and it offers a cost effective and reliable solution.

The typical applications for this inverter system are in indoor container, which is a perfect solution for wireless base stations, core network components, telecommunications networks and data networks.

The inverter system meets the requirements set by the telecommunications standards.

## AMS 230/3000-15 ETS: Technical specifications

### General

Efficiency	≥ 88%
Losses, max.	5400 W
Safety	IEC/EN 60 950
EMC	EN 300 386-2
Cooling	Fan cooled inverter

### DC Input

Voltage, nominal	53.5 V <sub>DC</sub>
Voltage range	40 ... 72 VDC
Maximum current (60s)	15 x 78 A <sub>DC</sub>
Maximum current (3s)	15 x 125 A <sub>peak</sub>
Connection plus pole	Terminal 15 x 35 mm <sup>2</sup>
Connection minus pole	Terminal 15 x 35 mm <sup>2</sup>
Fuse	15 x 100 A (MCB)

### Output

Voltage, nominal	230 V <sub>rms</sub> ± 1 %
Frequency, nominal	50 Hz ± 0.05 Hz
Current, nominal	196.5 Arms
Current, peak limit	549 A
Crest factor	2.8
Power, nominal	45000 VA / 36000 W
With redundancy	42000 VA / 33600 W
Power, maximum (60s)	49500 VA / 39600 W
Power, maximum (3s)	90000 VA / 72000 W
Power factor	0 ... 1 ind. and cap.
THD, at linear load	< 1 %

### Load distribution

MCB	18 pcs / 1 ... 63 A
Connections	16 mm <sup>2</sup> (L + N + PE)

### Mechanics

Material	EN 10142 DX51D + Z275MAC
Height, overall	2200 mm
Width, overall	600 mm
Depth, overall	600 mm
Weight, system	150 kg
Weight, inverter	15 x 12 kg

### Environment

Ambient temperature	0 ... + 55 °C
Red. peak current limit	+ 50 ... + 55 °C
Relative humidity	95 % max, non cond.
Protection class	IP 20

### User interface

Signalling	LED
See inverter leaflet	FI 48 / 230 V – 3000 VA

### Control and monitoring

Remote alarm	Potential free contact
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Subject to change due to technical progress