

Power System AMS 230/3000-7 ETS

The Power behind.



Main features

- Complete 20 kVA power supply system with static switch
- Manual bypass switch
- 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

- Modular UPS configurations
- indoor and outdoor container
- Telecom, wireless, datacom

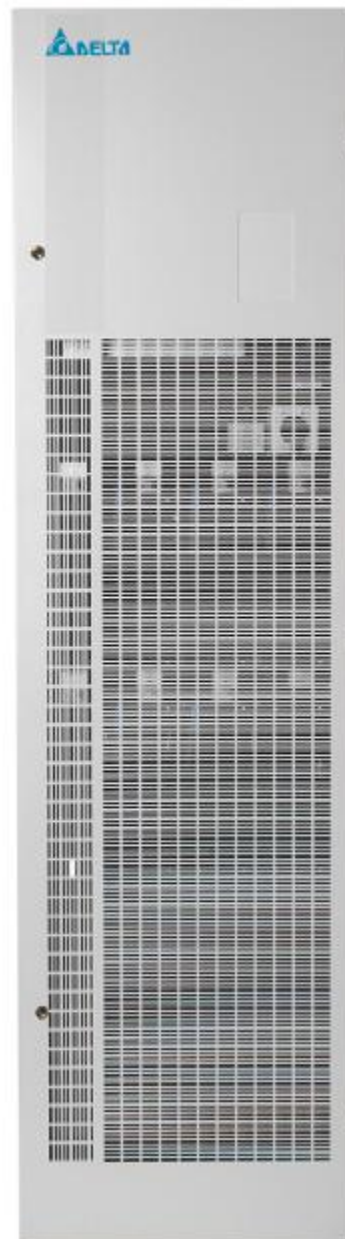
Description

The AMS 230/3000-7 ETS is a single phase, fan-cooled inverter system with an integrated static switch. 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. These features, 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.

Modular UPS configurations can be realized in combination with Delta DC power systems with battery backup.

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.



Power System AMS 230/3000-7 ETS

Technical Specifications

General	
Efficiency	≥ 88%
Losses max.	2640 W
Safety	IEC / EN 60950
EMC	EN 300 386-2
Cooling	Fan cooled inverter Convection cooled SSW
Protection class	IP 20

DC Input	
Voltage, nominal	53.5 V _{DC}
Voltage range	40 ... 72 V _{DC}
Maximum current (60 s)	7 x 78 A _{DC}
Maximum current (3 s)	7 x 125 A _{PEAK}
Connection plus pole	Terminal 7 x 35 mm ²
Connection minus pole	Terminal 7 x 35 mm ²
Fuse	7 x 100 A (MCB)

AC Input	
Voltage, nominal	230 V _{RMS}
Frequency, nominal	50 Hz
Power, maximum (60 s)	22000 VA
Power, maximum (3 s)	40000 VA
Connections	L + N + PE
Fuse	100 A (MCB)

Output, on line mode	
Voltage, nominal	230 V _{RMS} ± 1%
Frequency, nominal	50 Hz ± 0.05 Hz
Current, nominal	91.7 A _{RMS}
Current, peak limit	256.2 A
Crest factor	2.8
Power nominal	20000 VA / 16000 W
With redundancy	18000 VA / 14400 W
Power, maximum (60 s)	22000 VA / 18480 W
Power, maximum (3 s)	40000 VA / 33600 W
Power factor	0 ... 1 ind. and cap.
THD, at linear load	< 1%

Output, off line mode	
Voltage range	ETS 300 132-1
Frequency range	ETS 300 132-1
See static switch leaflet	SSW 230 V – 20 kVA

Configuration	
Operating mode	On line mode Off line mode

Load distribution	
Manual bypass	7 position switch
MCB	18 pcs / 2 ... 6 A
Connections	2.5 mm ² (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	7 x 12 kg
Weight, static switch	8.6 kg

Environment	
Ambient temperature	0 ... +55°C
Red. Peak current limit	+50 ... +55°C
Relative humidity	95% max, non cond.

User interface	
Signaling	LED
See inverter leaflet	FI 48 / 230 V – 3000 VA
See static switch leaflet	SSW 230 V – 20 kVA

Control and monitoring	
Remote alarm	Potential free contact

Subject to change due to technical progress.