DC power supply **DC ST801**

DC ST801, 48 VDC, modular, up to 3 x 850 W

The DC ST801 power supply system is designed for various applications such as DC UPS systems or TPS applications. It provides superior reliability at an extremely compact space, including processor controlled battery charging, programmable relay contacts and configurable DC outputs. Numerous options provide solutions for global applications in different environments. This system is prepared for up to 3 rectifiers GR 850.

Details

Front view DC ST801

Rear view DC ST801

Characteristics

- 19" / 1U shelf power system up to 2550 W
- Easy connection by screw terminals
- High efficiency up to 95,2%
- High power density
- Very short depth (for 300mm ETSI housing)
- Rectifier parallel-redundancy
- Rectifier GR 850 with temperature-controlled ventilation
- Integrated temperature sensor for temperature compensation
- Easy setup and programming via web browser
- The supply to the load through the rectifier is guaranteed even in case of failure of the controller
- 24 months' warranty

Specifications

DC ST801		
General	Efficiency	≥ 95,2 %
	EMC	EN 55022, class B
	Safety	EN 300 386
	Cooling	Fan cooled, temperature controlled
	Protection	IP 20
Input	AC connection	1 x L/N/PE
	Nominal voltage	230 VAC
	Voltage range	80 ... 300 Vrms
	Voltage range, reduced power	80 ... 130 Vrms
	Frequency range	45-66 Hz
	Current nominal	5,8 Arms
	Recommended protection	16 A
Output	Nominal voltage	-53,5 VDC
	Voltage range	-42 ... -58 VDC
	Output current	47,4 ADC
	Power limitation	3 x 850 W
	Rated power	2550 W
	Power, redundant	1700 W
DC Output	Overload protection	Max. 6 pieces / 2 ... 30A
	Standard kit	each 1 x 2/6/10/16/20/30A
	LVD	F1 – F4
	PLD	F5 + F6
Battery connector	Fuses	2 x 50 A
Mechanics	Construction	Steal rack
	Cabinet standard	19 Zoll
	Width	430 mm
	Depth, overall	280 mm (excluding rectifier)
	Height, overall	44,45 mm (1 HE)
	Weight, system	4.5 kg (excluding rectifier)
	Weight, rectifier	each 0.6 kg
Environment	Operation temperature	-35 ... +60 °C (power reduction from 45°C)
	Relative humidity	95% max., non condensing
Control / monitoring	Controller	ORION