

48V/24kW Telecom power system

Flexible & powerful solution for DC telecom



Our modular 24kW core unit come as a standard 19" 3U mountable subsystem. Its high efficiency, leading power density and real time monitoring & battery management by M1000/2000 controller make it an ideal system for variety of telecom applications. Its comes with optional pre-integrated AC and DC distribution unit which can be customized as per user requirements.

Key Features:

- High efficiency rectifiers (95.5%) for energy savings and high power density for space savings
- Wide operating temperature (-40°C to 75°C) range and ECO rectifier mode for capex and opex optimization
- Easy configuration of system based on power, load and distribution requirements
- Advanced battery support features including compatibility with lead acid and Li-ion batteries

Applications:

- 2G / 3G / 4G LTE telecom base station
- Fixed line applications
- Power utilities: Control & protection and communication equipment
- Railways: Signaling & communication equipment

48V / 24kW Power system - Technical Specifications

AC Input	AC input voltage	3L+N+PE; 90-300Vac (L-N); 220Vac (nominal)
	Input frequency	45 to 66Hz
	Input termination	MCB 3P (R,Y,B) + TB's for neutral & earth
	Surge protection	Type 2 (class C)
DC Output	Maximum power	24kW (3kW x 8)
	Output voltage	42 to 58Vdc (54Vdc Nominal)
	Output current	Max. 500A @ 48V
Battery & load Distribution	Load LVD	400A default
	Battery LVD, Termination	400A default, 4 x 125A breaker / 2 x 250A fuse
	DIN mounted breakers	Configurable upto 16 battery (max 4), priority & non-priority loads (18mm size)
	Common positive termination	Copper bus bar (front or top access)
	Metering	DC load / EB / DG kWh metering
Other Specifications	Controller options	M1000 / M2000 controller platform
	Local operation	Self-explanatory menu guided operation via joystick & TFT
	Remote operation	Ethernet for remote/local monitoring and control via WEB browser
	PFC inputs / digital inputs	8 opto isolated digital inputs
	PFC outputs / digital outputs	8 NO/NC relay outputs
	Battery compatibility	VRLA/Li-Ion
	Operating temperature	-40°C to +45°C (nominal) 45°C to +75°C (derated performance)
	Storage temperature	-40°C to +85°C
	Mounting	19" rack mount sub rack
	Dimensions (w x h x d)	Core unit: 482 x 177 x 426 mm Distribution unit: 482 x 266 x 260 mm
	Degree of protection	IP 20
Applicable standards	EN 60950-1, EN 55022 (Class B), EN 55024, EN 300019-1-1/2/3, ROHS complied	
Ordering Info	Core Part No.: HE517777; Distribution Unit Part No.: On request Rectifier 3kW: HE512865 (max. 8 per system)	

Specifications are subject to change without notice

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