

48V/8kW Telecom power system

Flexible & powerful solution for DC telecom



Our modular 8kW core unit come as a standard 19" 2U 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 Power Density solutions for space saving
- High efficiency rectifiers for energy savings & optimized cost of ownership
- Wide Operating Temperature range from -40°C to +75°C
- Easy configuration of the system based on power, load & distribution requirements

Applications:

- Telecom: Cellular base station sites, LTE/WiMax
- Off- Grid Sites/Rural sites.
- Power Utilities: Control & protection and communication equipment
- Railways: Signalling, Communication equipment & control & protection

48V/8kW Telecom power system - Technical Specifications



AC Input	AC input voltage	Single phase: L+N+PE; 90-300Vac (L-N), 220Vac (nominal) Three phase: 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	8kW (2kWx4)
	Output voltage	42 to 58Vdc (54Vdc Nominal)
	Output current	167A @ 48V
Battery & load Distribution	Load LVD	125A default
	Battery LVD, Termination	125A default, 125A x 2 breaker / 125A x 2 fuse
	DIN mounted breakers	Configurable upto 16 battery (max 2), priority & non-priority load breakers (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 123 x 378 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 Unit Part No.: HE517797; Distribution Unit Part No.: On request Rectifier 2kW: HE513140 (max. 4 per system)	

Specifications are subject to change without notice

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