

# 48V/6kW Telecom power system

## Flexibility for multi use environment



Our modular 1U 6kW power system comes as a standard 19" mountable subsystem which can be easily integrated in indoor or outdoor cabinets providing maximum space for customer's revenue generating equipment. Optimized M1000 controller platform is used in such solutions that gives customers the similar level of control and features as large complex systems. Optional inverter can be added to support AC applications. Combination of high efficiency, reliability and power density of serenity rectifiers used in these systems provide unparalleled network uptime and low TCO.

### Key Features:

- High power density 1U power system with comprehensive features
- High efficiency rectifiers for energy savings & optimized cost of ownership
- Wide operating temperature range from -40°C to +75°C
- 1 breaker for each load & battery. Provision for battery LVD

### Applications:

- Telecom: Cellular base station sites, LTE/WiMax
- Wi-Fi hotspots / small cells
- Power Utilities: Control & protection and communication equipment
- Railways: Signalling, Communication equipment & control & protection

# 48V/6kW Power system - Technical Specifications

<b>AC Input</b>	<b>AC input voltage</b>	Single phase: 1L+N+PE; 90-300Vac (L-N), 220Vac (nominal)
	<b>Input frequency</b>	45 to 66Hz
	<b>Input termination</b>	TB's for line & neutral + Stud for earth
<b>DC Output</b>	<b>Maximum power</b>	6kW
	<b>Output voltage</b>	42 to 58Vdc (54Vdc Nominal)
	<b>Output current</b>	Max. 125A @ 48Vdc
<b>Battery &amp; load Distribution</b>	<b>Battery LVD, Termination</b>	100A default, copper bus bar
	<b>DIN mounted breakers</b>	Configurable upto 2 battery & load breakers (18mm size)
	<b>Common positive termination</b>	Copper bus bar (rear access)
<b>Other Specifications</b>	<b>Controller options</b>	M1000-H controller platform
	<b>Local operation</b>	Self-explanatory menu guided operation via joystick & TFT
	<b>Remote operation</b>	Ethernet for remote/local monitoring and control via WEB browser
	<b>PFC inputs / digital inputs</b>	2 opto isolated digital inputs
	<b>PFC outputs / digital outputs</b>	2 NO/NC relay outputs
	<b>Battery compatibility</b>	VRLA/Li-Ion
	<b>Operating temperature</b>	-40°C to +45°C (nominal) 45°C to +75°C (derated performance)
	<b>Storage temperature</b>	-40°C to +85°C
	<b>Mounting</b>	19" rack mount sub rack
	<b>Dimensions (w x h x d)</b>	482 x 44 x 386 mm
	<b>Degree of protection</b>	IP 20
<b>Applicable standards</b>	EN 60950-1, EN 55022 (Class B), EN 55024, EN 300019-1-1/2/3, ROHS complied	
<b>Ordering Info</b>	Power system: HE500042 Rectifier 3kW: HE512865 (max. 2 per system)	

Specifications are subject to change without notice

Web: [www.exicom-ps.com](http://www.exicom-ps.com)

## Mobility Solutions



## DC Telecom Solutions



## ESS Solutions



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