

# 48V/15kW Telecom power system

## Flexibility for multi use environment



Our high efficiency, power dense modular 3U high 15kW 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's. Our advanced M1000 or M2000 controller platform provide real time monitoring and complete battery management while system design accommodates for flexible battery and load distribution configurations. Combination of high efficiency, reliability and power density of serenity rectifiers used in these systems provide unparalleled network uptime and low TCO.

### Key Features:

- Big & small: 15kW power system with distribution in 3U height
- High efficiency rectifiers for energy savings & optimized cost of ownership
- Wide operating temperature range from -40°C to +75°C
- 10 configurable breakers for battery, priority & non-priority loads. Provision for battery LVD & load LVD

### Applications:

- Telecom: Cellular base station sites, LTE/WiMax
- Data, broadband sites
- Power Utilities: Control & protection and communication equipment
- Railways: Signalling, Communication equipment & control & protection

# 48V/15kW Power system - Technical Specifications

<b>AC Input</b>	<b>AC input voltage</b>	Three phase: 3L+N+PE; 90-300Vac (L-N), 220Vac (nominal)	
	<b>Input frequency</b>	45 to 66Hz	
	<b>Input termination</b>	TB's for R,Y,B, neutral & earth	
	<b>Surge protection</b>	Type 2 (class C)	
<b>DC Output</b>	<b>Maximum power</b>	15kW	
	<b>Output voltage</b>	42 to 58Vdc (54Vdc Nominal)	
	<b>Output current</b>	Max. 312A @ 48Vdc	
<b>Battery &amp; load Distribution</b>	<b>Load LVD</b>	200A default	
	<b>Battery LVD, Termination</b>	200A default, 3 x 125A breaker	
	<b>DIN mounted breakers</b>	Configurable upto 7 priority & non-priority load breakers (18mm size)	
	<b>Common positive termination</b>	Copper bus bar (rear access)	
<b>Other Specifications</b>	<b>Controller options</b>	M1000 / M2000 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>	8 opto isolated digital inputs	
	<b>PFC outputs / digital outputs</b>	8 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 133 x 450 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: HE500043 Rectifier 3kW: HE512865 (max. 5 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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