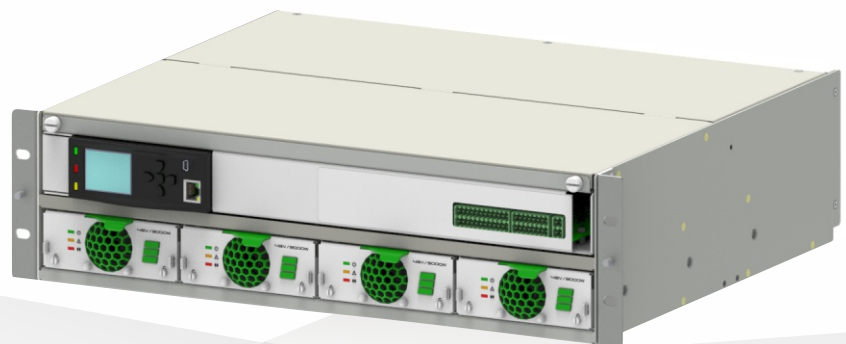


# 48V/12kW Telecom power system

## Flexible & powerful solution for DC telecom



Our modular 12kW core unit comes 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 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
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### Applications:

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

# 48V/12kW Power system - Technical Specifications

<b>AC Input</b>	<b>AC input voltage</b>	Single phase: L+N+PE; 90-300Vac (L-N), 220Vac (nominal) Three phase: 3L+N+PE; 90-300Vac (L-N), 220Vac (nominal)
	<b>Input frequency</b>	45 to 66Hz
	<b>Input termination</b>	MCB 3P (R,Y,B) + TB's for neutral & earth
<b>DC Output</b>	<b>Surge protection</b>	Type 2 (class C)
	<b>Maximum power</b>	12kW (3kWx4)
	<b>Output voltage</b>	42 to 58Vdc (54Vdc Nominal)
<b>Battery &amp; load Distribution</b>	<b>Output current</b>	Max. 250A @ 48V
	<b>Load LVD</b>	200A default
	<b>Battery LVD, Termination</b>	200A default, 125A x 2 breaker / 125A x 2 fuse
	<b>DIN mounted breakers</b>	Configurable upto 16 battery (max 2), priority & non-priority load breakers (18mm size)
	<b>Common positive termination</b>	Copper bus bar (front or top access)
<b>Other Specifications</b>	<b>Metering</b>	DC load / EB / DG kWh metering
	<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>	Core unit: 482 x 123 x 378 mm Distribution Unit: 482 x 266 x 260 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>	Core Unit Part No.: HE517776; Distribution Unit Part No.: On request Rectifier 3kW: HE512865 (max. 4 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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