

# 48V /1500A DC SMPS Power Plant

Indoor



Exicom's medium power systems deliver at every level – powerful, efficient, simple, front access, & easily configurable. They come in power range of 5.6kW-84kW and are completely scalable to accommodate future changing needs to make technology migration process painless. The system includes high efficiency rectifiers, load & battery LVD's, AC connections and bulk feed Busbar riser DC distributions, multiple battery connection and Exicom's advanced M2000 system controller to support complex energy management control at a cellular base station site.

## Key Specification



System Contain - M2000  
Controller + Rectifier + Battery  
Distribution + Load Distribution



Comprehensive battery  
management & built in support  
for Li-ion battery charge profiles



Wide operating input voltage and  
temperature range from -40 °C to  
+75 °C, enabling opex savings



Low Voltage Battery Disconnect  
and optional low voltage load  
disconnect



Max Output Power: 84 kW  
(1500A) using 5.6kW (100A)  
rectifier module



Advanced Control and  
Monitoring through  
Ethernet port



Swappable Rectifiers  
& Controller



Global compliance

## Application

- Telecom: Cellular base station sites, LTE/WiMax,
- Hub sites and central offices
- Smart Cities: Smart poles, surveillance etc.
- Power Utilities: Control and protection and communication equipment
- Railways: Signalling, communication equipment and control & protection

# System Technical Specification

## AC Input

Voltage	320V - 480Vac, 415Vac Nominal
Mains Configuration	L-L, Three phase: 3L + N + PE
Frequency	44- 66Hz
Surge Protection	Type-2 (Class-C)
Input Distribution	MCB / Terminal Block/Busbar

## DC Output

Voltage	54V; Adj: 42V - 58V
Output Power	84000W (1500A)
Current Sharing	+/-10% of max. current
Static Voltage regulation	+/-1.0% for 10%-90% load
Low Voltage Disconnect	Battery LVD, Optional Load LVD
Battery path	Busbar Riser
Digital Input & Outputs	8 Opto isolated digital inputs, 8 NO/NC relay outputs
Applicable rectifiers	Centrix 48V/5600W
Control & Monitoring	M2000
Applicable standards	EN 60950-1, EN 55022 (Class B), EN 55024, EN 300019-1-1/2/3, ROHS complied

## Mechanical Data

System Size	H:1850mm, W:600mm, D:580mm
Mounting Type	Base / Floor Mount
Cooling	Natural Cooled
Service Access	Front and Rear Access
Rack Lifting	Eye Blot for lifting
IP Rating	IP-20
Cable Entry	Top

### Mobility Solutions



### DC Telecom Solutions



### ESS Solutions



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