

# 48V/450A DC SMPS Power Plant

Outdoor



Exicom's medium power systems deliver at every level – powerful, efficient, simple, front access, & easily configurable. They come in power range of 3KW-27kW 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, flexible 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



Max Output Power:  
27KW



Advanced Control and Monitoring through Ethernet port



Swappable Rectifiers & Controller



Low Voltage Battery Disconnect and optional low voltage load disconnect



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	90 - 300Vac, 230V Nominal
Mains Configuration	Three phase: 3L + N + PE
Frequency	44- 66Hz
Surge Protection	AC Type-2 (Class-C) ,DC: Class-D
Input Distribution	MCB / Terminal Block
Applicable rectifier	Quantum-3, 48V/3000W

## DC Output

Voltage	54Vdc; Adj: 42-58Vdc
Output Power	27000W
Static Voltage regulation	+/-0.5% for 10-90% load
Low Voltage Disconnect	Battery LVD
Battery path	Battery Fuse 250A x3nos.
Digital Input & Outputs	8 Opto-isolated digital inputs, 8 NO/NC relay outputs
Control and monitoring	M2000
Operating Temperature	-25 °C to +75 °C
Operating RH	5% to 95% non-condensing
Acoustic Noise	Less than 55dB (A)
Applicable standards	EN60950-1, EN 55022 (Class B), EN 55024,EN 300019-1-1/2/3, ROHS complied

## Mechanical Data

System Size (HxWxD)	H:750mm, W:600mm, D:700mm
Mounting Type	Base / Floor Mount
Cooling	Force Cooling -Fan & Filter
Service Access	Front and Rear Access
Rack Lifting	Eye Blot for lifting
IP Rating	IP-55
Cable Entry	Bottom

### Mobility Solutions



### DC Telecom Solutions



### ESS Solutions



#### **INDIA**

Plot No 38, Institutional Area,  
Sector 32, Gurugram, Haryana  
122001, India  
[cpsales.india@exicom.in](mailto:cpsales.india@exicom.in)

#### **AFRICA**

Business Center 1, M Floor, The  
Meydan Hotel, Nad Al Sheba,  
Dubai, U.A.E.  
[cpsales.africa@exicom.in](mailto:cpsales.africa@exicom.in)

#### **MIDDLE EAST**

Business Center 1, M Floor, The  
Meydan Hotel, Nad Al Sheba,  
Dubai, U.A.E.  
[cpsales.mea@exicom.in](mailto:cpsales.mea@exicom.in)

#### **SOUTH EAST ASIA COUNTRY**

No 23, Jalan Linggis 15/24, Taman  
Perindustrian Linggis, Seksyen 15,  
40200 Shah Alam Selangor, Malaysia  
[cpsales.sea@exicom.in](mailto:cpsales.sea@exicom.in)

#### **SAUDI ARABIA**

14181, 8667 King Fahad Road  
Olaya, Riyadh 12611, Saudi  
Arabia [cpsales.sa@exicom.in](mailto:cpsales.sa@exicom.in)

#### **Disclaimer:**

This document may contain forecast information, including but not limited to future finances, operations, product series, new technologies, etc. Due to practice the uncertainty in the actual results may differ from the predicted information. Therefore, the information in this document is for reference only and does not constitute any offer or promise. Exicom may modify the above information without notice.