

48V/450A DC SMPS Power Plant

Indoor



Front View



Isometric View

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



Low Voltage Battery Disconnect
and optional low voltage load
disconnect



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



Global Compliance



Swappable Rectifiers &
Controller



Max Output Power:
27KW



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



Advanced Control and
Monitoring through
Ethernet port

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

Technical Specification

AC Input

Voltage	90 - 300Vac, 230V Nominal
Mains Configuration	Three phase: 3L + N + PE 44-
Frequency	44Hz - 66Hz
Surge Protection	Type-2 AC SPD (Class-C)
Input Distribution	Terminal Block /MCB

DC Output

Voltage	54V; Adj: 42V - 58V
Output Power	27000W
Current Sharing	+/-10% of avg. current
Static Voltage regulation	+/-0.5% for 10%-90% load
Low Voltage Disconnect	Battery LVD, Optional Load LVD
Battery path	Fuse / Circuit Breaker
Digital Input & Outputs	8 Opto isolated digital inputs, 8 NO/NC relay outputs
Applicable rectifiers	Quantum-3, 48V/3000W
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 (HxWxD)	H:532mm, W:485mm, D:428mm
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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