

48V/36kW DC SMPS with 27U space for LIB

Outdoor



Exicom system consists of Power Plant outdoor unit & 27U space for Li-ion Battery Bank with ingress protection of IP55. Power Plant Outdoor Unit – 36kW SMPS consist of 9 No's of 4kW Switched mode Rectifiers units. This system is an all-in-one power solution for Mobile Telecom Operators. It houses all the required power and control equipment in one OD Rack. The basic building block uses a 4kW SMR. These rectifier modules have been designed to work in any electrical and climatic environment and provide full power over applicable voltage and temperature range without any degradation in performance

Key Specification



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



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



ECO Mode function for rectifier
enabling significant energy savings
even at low loads.



Wide operating voltage range
90 – 300Vac (L-N).



Advanced Control and Remote Access
Monitoring through Ethernet port.



Max Output Power:
36KW



Fireproof: Flame retardance, Protection
against Fire/smoke emergency.



Swappable Rectifiers &
Controller



IP55 Outdoor Power Solution.



High Efficiency up to 97%.



UL Certified Power Module and
Controller.



Flexible & Modular Design.



Wide temperature range (-25°C to
75°C) for capex and opex savings.



Advanced AC and DC energy metering
options.



Global
Compliance



Remote Access – Monitoring through
the web browser, TCP/IP, & SNMP as a
standard feature and optional modem.



Advanced AC and DC energy
metering options.

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	90Vac–300Vac, Nominal Voltage: 230Vac
Input Frequency	44Hz to 66Hz
Mains Configuration	Three Phase: 3L+N+PE
Surge Protection	Type-2(Class-C) for AC & Type-3(Class-D) for DC
Input Distribution	MCB 125A/3P
Applicable rectifier	Quantum 48V/4000W

DC Output

Voltage	54Vdc; Adj: 42-58Vdc
Output Power	36000W
Static Voltage regulation	+/-0.5% for 10-90% load
Low Voltage Disconnect	Battery and load LVD
Battery path	Fuse
Digital Input & Outputs	16 Opto isolated digital inputs, 16 NO/NC relay outputs
Control and monitoring	M2000
Operating Temperature	-25C to +75C
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)	2000mm (H) x 700mm (W) x 750mm (D)
Mounting Type	Floor
IP Rating	IP-55
Cable Entry	Bottom

Mobility Solutions



DC Telecom Solutions



ESS Solutions



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