

M1000-H Controller



Exicom's M1000-H controller platform covers all control and monitoring needs of small to big sized DC power systems with limited load and battery measurements. This hot plug-able controller boasts 65K colour screen for display, with amazingly simple user interface and has full host of remote monitoring features. The controller along with its backplane is a fully functional controller and does not need additional slave cards in most of the cases, which make it a compact solution for space demanding applications

Key Features:

- High resolution colour display and easy to use navigation
- Ethernet for local or remote monitoring via web browser and optional modem
- Event logs, change logs and energy logs
- USB interface for configuration file update and log download
- Hot plug in for easy maintenance

Applications:

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

M1000-H Controller - Technical Specifications



INPUT DATA	
Voltage (Nominal)	32 – 72VDC
Voltage (Nominal)	5W max
GENERAL	
Dimensions (HxWxD)	110 x 43 x 155 mm
Operating environment Range	Temp: -20°C to +60°C; Humidity: 95%RH, Non-condensing
Safety & EMC	EN 60950 / EN 61000-6-1/-2/-3/-4
SYSTEM FUNCTIONS	
Battery	Float, boost and equalise charge mode, configurable battery temperature compensation, manual charge mode
	Low voltage disconnect and under voltage pre-warning
	Back up time and SoC monitoring
	Automatic battery health test, battery isolation for maintenance symmetry supervision
System	Optional AC voltage measurement
	Integrated support for renewable (solar) hybrid system
	Alarm grouping, alarm output mapping and alarm naming
	User profile configuration & password protection
Rectifier	Application and configuration update locally or remotely
	Individual rectifier current, temperature and status monitoring
	Power limited walk in, configurable power control in case of controller communication loss
	Linear or cyclic rectifier sleep mode for system efficiency
	Active current sharing and system overload monitoring
SYSTEM CONNECTIONS	
Voltage Sensing	3 Channels, +/- 72Vdc
Current Sensing	2 Channels, Shunt, 0 – 50mV
Temperature & Humidity Sensing	1 Channel, -25°C to +100°C
Battery / Load LVD Control	Up to 2
Battery Fuse Monitoring	Auxiliary inputs, voltage sensing
DIGITAL INTERFACE	
External Alarm Monitoring	Up to 24 Opto isolated inputs
Potential Free Outputs	Up to 24, 1A / 24V, Form C
Function Mapping	Potential Free Outputs can be mapped to Alarms / Groups
LOGS	
Event Logs	Up to 1,000 events
Energy & Run hour Logs	Cumulative energy and run hour counters
Change Logs	500 setting change logs
SYSTEM INTERFACES	
System Control Bus	1 x CAN V2.0b for communication with SMR and system units
Serial Bus	1 x RS 485, Rectifier Communication, Modbus interface
Event Logs	Up to 10,000 events
USER INTERFACES	
Display	65k colour TFT, 5 keys
Ethernet	10/100 Base – T, MDI / MDI-X, IP Protocols: HTTP, SNMP V2c, SNTP, FTP, DHCP, IPV4
USB	USB 2.0, Device & Host Modes

Specifications are subject to change without notice

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