

SM45 Supervisory Module



Features

- Ethernet interface built-in
- SNMP agent
- Web server
- Supports PSTN and GSM external modems
- SMS alarm messages (with GSM modem)
- Temperature compensation
- Serial control of up to 24 rectifiers
- Controls up to two Low Voltage Disconnects (LVD)
- Battery current limiting
- Setup via keypad or DCTools configuration software
- Compliance with international standards
- Data logging
- 3-phase AC metering option
- Language options

The SM45 supervisory module is an advanced control and monitoring solution for the Eaton Access Power Solutions range on DC power solutions.

It provides a full suite of advanced communications options, including built-in Ethernet interface, Web server, and SNMP agent.

Alarm notifications may be by SNMP traps, SMS, dial-out to PowerManagerII remote monitoring software, or relay contact closures.

The SM45 can also be re-configured on-site using the Windows compatible DCTools configuration software via the front panel RS232 communication port or remotely via Ethernet.

The SM45 supervisory module provides full control of system voltage, load current, status and alarms, which can be displayed and changed on the optional LCD display and keypad.



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Technical Specifications

Brief Technical Specifications

Supply Voltage Range	19 to 60V DC
Operating Range	-10 to +70 °C [14 to 158 °F]
Input/Output Standard	Analog inputs: Current sensor/shunt (2), Bus voltage (1), Temperature: (2) Digital inputs: 9 internal (pre-defined), 6 external (user-defined) Relay outputs: Up to 6 open-collectors. Relays fitted on system backplane or interface PCB.
Communication Interfaces	Physical: Ethernet and RS232. Software: IP, http (Web) and SNMP, S3P. Management software: DCTools configuration / local management software. PowerManagerII remote management software. SNMP agent supports standard network management system software including HP OpenView Network Node Manager.
Indicators	Power on Urgent alarm Non-Urgent alarm
Data Logging	10,000 record event log 10,000 record data log

Options

Display and Keypad	Display: Back-lit dot matrix LCD Keypad: Membrane type, 5 keys
Languages	English: Standard Chinese: Chinese language software upgrade available on request. Other languages: Other language software upgrades by arrangement.
Input/Output with SiteSure Modules	Analog inputs: 48 Digital inputs: 108 Digital outputs: 32
CellSure	Full support for communications and alarms from CellSure battery monitoring and fault diagnosis systems
Modem Communications	PSTN or GSM. Requires external modem.
AC Metering	3-phase voltage and frequency measurement and alarms. Requires external AC meter.

In the interests of continual product improvement all specifications are subject to change without notice.

