

# EAT•N

# Powerware

## SM60 Supervisory Module



### Features

- Comprehensive system control functions
- Simplified front panel controls
- Large area LCD screen
- Pre-loaded customized configuration file
- Cost effective control of Access, Network and Large Power Solutions
- Complies with International Standards
- Remote communications options
- Configurable using DCTools configuration software
- 19" or 23" rack mounting option
- Sliding 19" mounting option
- Supports SiteSure modules for ancillary equipment monitoring and control

The SM60 supervisory module is a cost-effective control and monitoring solution for the Powerware Access, Network and Large Power Solutions.

It provides all the necessary functionality for most DC power applications, with the advantage of a simple menu driven interface. Like all Powerware DC supervisory modules it is supplied pre-configured with either a default configuration file, or with one factory customized for a particular application.

This ensures fast and problem free installation. If on-site changes are needed then these can be easily made from the front panel or with a Windows PC using DCTools configuration software.

The front panel incorporates a bright backlit LCD display with easy to read characters. All system values and alarms can

be displayed and the keypad provides easy access to check or edit settings. The display can also be customized to any language.

When used with larger Access Power Systems, in place of the SM40 supervisory module, the SM60 allows the use of the wide range of 19" mounting Powerware DC system modules.

The SM60 is available with either fixed mounting brackets or an optional slider magazine and cable support tray for easier access to cable connections.

### Typical Applications

- 24V and 48V Power systems
- Wireless cell sites and switches
- Transmission Terminals
- Local and Central Office Switching

# Technical Specifications

## Brief Technical Specifications

Supply Voltage Range	18 to 60V DC
Operating Range	-10 to +60°C [14 to 140°F]
Input / Output Standard	Analog inputs: Current sensor (2), Bus voltage (1), Temperature (2) Digital inputs: 12 Internal (pre-predefined), 6 external (user-defined) Relay outputs: 6: (configurable) Voltage free, NO-C-NC, 0.5A @ 100VDC Screw terminal block, 1.5mm <sup>2</sup> conductors
Input / Output Optional (with SiteSure modules)	Analog inputs: 12 Digital inputs: 18 Digital outputs: 12
Communications	Interface: RS232 Software: PowerManagerII remote monitoring software DCTools configuration software (free download from <a href="http://www.powerware.com/downloads">www.powerware.com/downloads</a> ) Modems (optional): Supports PSTN or GSM external modems SMS messaging: System Status Messages and Alarm Messages. Requires external GSM modem.
Display	Back-lit dot matrix LCD Adjustable viewing angle

Keypad	5 keys
Indicators	Power on Urgent alarm Non-Urgent alarm
Dimensions H, W, D	1U: 44.5mm, 480mm, 150mm [1.75", 19" mounting, 6"] (depth excludes optional cable support tray)
Mounting options	Standard: 19" Fixed brackets Options: 19" Slider magazine with cable support tray 23" Fixed brackets
Datalogging	100 record Event Log

## Certifications

All products comply with International Standards. Contact your local Powerware DC representative for details on the specific product versions available with these safety and EMC approvals:

China	MII
North America	UL, FCC Verification, IC
Europe	CE
Australia / New Zealand	C-tick

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

