

# EAT•N

# Powerware

## SM40 Supervisory Module



### Features

- Pre-Loaded Configuration File
- Temperature Compensation
- Serial Control (24 rectifiers)
- Battery Test
- Controls up to two Low Voltage Disconnects (LVD)
- Battery Current Limiting
- Interfaces to SiteSure Input/Output Modules
- Multi language options
- Set-up via keypad or DCTools configuration software
- Compliance with International Standards
- Local, PSTN, GSM or TCP/IP communications options
- Datalogging

The SM40 microprocessor-based system supervisory modules provide the control and monitoring functions for the Powerware Access Power Solutions range of DC power systems.

The SM40 supervisory module is supplied factory-preconfigured, ready for immediate use. All system parameters are stored in transferable configuration files for convenient management of system set-up. The SM40 can also be re-configured on-site using the Windows compatible DCTools configuration software via the front panel RS232 communication port.

The SM40 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. The SM40 also offers modem control (PSTN and

GSM), an audible alarm and battery test functionality.

Using the GSM modem option status and alarm messages can be sent to any SMS text message compatible mobile phone. TCP/IP communications is available with the Site Gateway Module.

# Technical Specifications

## Brief Technical Specifications

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### Supply Voltage Range

18-60V

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### Operating Range

-10°C to +70°C [+14°F +158°F]

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### Input/Output Standard

Analog Inputs: Current sensor/shunt (2), Bus Voltage (1), Temperature (2)

Digital Inputs: Up to 6

Relay Outputs: Up to 6 open-collectors (5 configurable, 1 reserved) Relays fitted on system backplane or Interface PCB.

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### Input / Output Optional (with Sitesure modules)

Analog inputs: 6

Digital inputs: 18

Digital outputs: 8

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### Communications

Interface: RS232

Software: PowerManagerII remote monitoring software

DCTools configuration software (free download from [www.powerware.com/downloads](http://www.powerware.com/downloads))

Modems (optional): Supports PSTN or GSM external modems

SMS messaging: System Status Messages and Alarms Messages. Requires external GSM modem.

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### Display and keypad (optional)

Display: Back-lit dot matrix LCD

Keypad: Membrane type, 5 keys

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### Indicators

Power on

Urgent Alarm

Non-urgent alarm

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### Datalogging

100 record Event Log

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