

SM SERIES SUPERVISORY MODULES



DC INPUT

Rated Voltage:	16-75V DC
Input Current:	<150mA maximum

MONITORING & CONTROL

Display:	Multi-lingual alpha numeric backlit display
Communications:	Serial: 1x USB port on front panel for local PC interface TCP/IP: Ethernet interface for communication using SNMP protocol and internal web based configurator* Modbus: Supported via TCP/IP*
LED Indicators:	Green: Power on/monitor OK Yellow: Non urgent alarm Red: Urgent alarm
Audible:	90dBA buzzer mappable to user defined conditions
Controls:	3x push buttons for parameter setting or viewing on front panel
Signal Inputs:	Serial bus for rectifier control and interface to peripheral modules 6x digital inputs, 2x temperature sensors (one fitted by default)
Alarms:	6x alarm relays, 5x of which can be mapped for customised alarm settings
Alarm Contacts:	0.3A 100V volts free changeover contacts
Logging Capacity:	Periodic log, 16,384 records (dependant on number of parameters logged) Event log, 16,384 records (dependant on number of parameters logged)
Connections:	Relay outputs, mini combicon to accept 1.5mm ² wire USB port, USB mini B

*TCP/IP and modbus options only available with SM36 supervisory module.



ENVIRONMENTAL REQUIREMENTS

Ambient Temperature:	-20°C to +70°C (maximum output power is derated above +50°C)
Storage Temperature:	-30°C to +85°C
Humidity:	5-95% RH (non-condensing)
Altitude:	<2,500m at full power

COMPLIANCES

Safety:	EN60950
Immunity:	CISPR24
Emissions:	CISPR22
AC Harmonics:	EN61000-3-2
AC Flicker and Fluctuation:	EN61000-3-3
Other:	CE & RoHS compliant

MECHANICAL

Dimensions W, H, D:	111.5mm, 44.0mm (1U), 282.0mm overall
Weight:	1.5kg



PART NUMBERS

SM35:	Standard monitor featuring full temperature compensation, automated and manual battery testing/equalisation
SM36:	Enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalisation with TCP/IP

