

# SMC CHARGER

Designed for Industrial and Marine applications, the SMC charger combines high reliability, high efficiency and unity power factor with small size, light weight and ease of installation.

## FEATURES:

- Smart interface.
- Fully programmable.
- Protection from input & output over/under voltage.
- High efficiency.
- Battery temperature compensation.
- For use with Gel, AGM or Wet batteries.
- Unity power factor.
- High reliability.
- Compact size/ light weight.



## TECHNICAL SPECIFICATIONS

### INPUT

Input Voltage	185 - 290VAC (Nominal 180 -290 VAC)
Input Current	10 Amps
Input Frequency Range	45 Hz - 65 Hz
Power Factor	>0.99 at P nom ≥ 75%

### OUTPUT

Nominal Output	24V
Voltage Adjustable	21V - 28V
Voltage Stabilisation	±0.5%
Current Stabilisation	±1%
Nominal Output Current	50A
Efficiency	≥94%
Charge Characteristics	IU Characteristic according to DIN41772/DIN41773
Default Charging Voltage	24V
Voltage Ripple	≤ 200mV Pk to Pk
Short Circuit Protection	15% -30% of Inom when in short circuit

### ALARMS

Mains Fail	No Adjustment
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### SYSTEM

DC Low	(software adjustable up to 21VDC)
DC High	(software adjustable up to 28 VDC)
Over Load	(software adjustable)
Comms Fail	No Adjustment
Fan Fail	No Adjustment
High Battery Temperature	(software adjustable)

### RELAY ALARMS

Relay 1	Common Alarm
Relay 2	Mains Fail

### MECHANICAL

Ambient Temperature	Operation: -20° to + 55° C Storage: -40° to +70° C
Humidity	≤90 %RH
Cooling	Fan Cooled
Dimensions	159mmD, 256mmW, 335mmH (no glands)
Audible Noise	< 50 db