

# SCM40



Product code: 131804000

- High efficiency: your batteries are charged quickly.
- Capacity for solar panel configurations of up to 3600 Wp.
- Suitable for AGM, gel, wet and Mastervolt Lithium Ion batteries.
- Fast and flexible setting of battery type.
- Battery temperature sensor for long lifespan.
- Automatic 12 V and 24 V detection.
- Switchable output.
- Noiseless operation.
- LCD display.
- Fully protected against overtemperature, overload, high/low battery voltage, high/low PV voltage, short circuit and reverse polarity.

# Specifications

## Specifications battery charger

System voltage (battery)	12/24 V auto select
Battery types	AGM, gel, wet, Lithium Ion
Battery temperature sensor	yes
Max. charge current at 25 °C / 77 °F	40 A
Switchable output (max. current)	40 A
Energy consumption (night)	4 mA

## Specifications solar input (DC)

Nominal PV current at 25 °C / 77 °F	40 A
PV start voltage (12/24 V)	12.8 V/25.6 V
Max. PV voltage (Tmin)	50 V
Max. PV power (12 V)	720 Wp
Max. PV power (24 V)	1440 Wp

## Communication & monitoring

Communication	PC-Link (optional)
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## General specifications

Cooling	passive
Display/read-out	LCD display with battery state of charge, status output, battery setting
Grounding	(-) terminal
Alarms	buzzer
Protection degree	IP20
Dimensions, hxwx d	98 x 140 x 41 mm 3.9 x 5.5 x 1.6 inch
Weight	0.23 kg 0.5 lb

## Technical specifications

Technology	PWM (Pulse Width Modulation)
Temperature range (ambient temp.)	-25 °C to 50 °C -13 to 122 °F
Cable size	max. 16 mm <sup>2</sup> Litz wire
Protections	over temperature, over load, high/low battery voltage, high/low PV voltage, short circuit, reverse polarity & HV transients
Relative humidity	95% non-condensing