

SCM40 PWM



Product code: 131824000

This solar charge regulator based on PWM technology is a great solution to charge your batteries with solar energy. Suitable for both 36 cells panels (in 12 V systems) and 72 cells panels (in 24 V systems). Its protection against water spray, suitability for high ambient temperature and compatibility with negative grounding, make it the perfect solar regulator for marine and mobile environments. Optionally, a [temperature sensor](#) temperature sensor is available.

Safe, user friendly, and flexible

The SCM40 PWM is suitable for all types of lead-acid batteries in both 12 V and 24 V. The device features a large display and switchable output with evening / night lighting function.

Specifications

Specifications battery charger

System voltage (battery)	12/24 V auto select
Nominal charge current	40 A
Battery types	AGM, Gel, flooded
Battery temperature sensor	optional, product code 41500500
Switchable output (max. current)	40 A
Energy consumption (night)	< 7 mA

Specifications solar input (DC)

Panel type (12 V system)	36 cells
Panel type (24 V system)	72 cells
Max. PV current (I _{mp})	40 A
Recommended PV power (12 V system)	720 Wp
Recommended PV power (24 V system)	1440 Wp

General specifications

Cooling	passive
Display/read-out	backlit LCD with PV power, load power, battery voltage, charge current, warnings, battery state of charge, battery setting
Grounding	common negative grounding
Protection degree	IP23
Dimensions, h _w x _w x _d	98 x 189 x 53 mm 3.9 x 7.4 x 2.1 inch
Weight	0.5 kg 1.1 lb

Technical specifications

Technology	PWM (Pulse Width Modulation)
Temperature range (ambient temp.)	-20 °C to 50 °C, derating power > 40 °C -4 to 122 °F
Cable size	max. 16 mm ²
Protections	over temperature, over load, high/low battery voltage, high/low PV voltage, short circuit, reverse polarity & HV transients
Relative humidity	95 % non-condensing