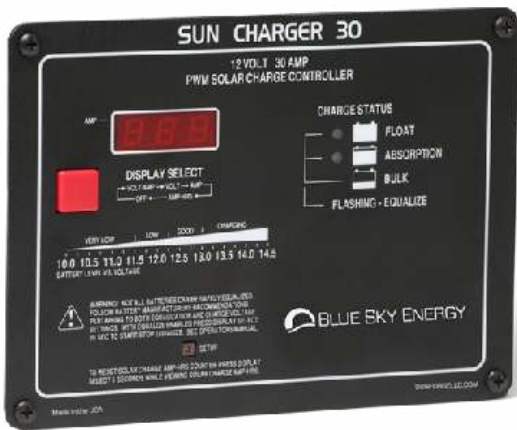


SC30

30A, @12V, PWM



Marine | RV | Off-Grid

The SC30 is our most affordable PWM charge controller for a wide range of applications. It's built-in LED display shows battery voltage, solar charge current, total solar charge amp-hours, and can be used to program charge settings for any type of 12V-nominal FLA, AGM, Gel, or Lithium batteries. Flush or wall mounting, it is a perfect entry-level controller!

Product Features

- PWM technology
- Longer battery life with advanced multi-stage charging (FLA,AGM,GEL)
- Equalize batteries automatically or manually
- Battery Temperature Compensation (with external battery temp. sensor)

Display

- LEDs for charge and load status
- LED display for battery voltage, charge current, and [..XXX]

Protection

- PV array overload
- PV array reverse polarity
- Battery reverse polarity

Accessories

- External battery temperature sensor
- Mounting Wall Box (720-0011-01)

Great PWM technology •

Low-cost application •

Fully Programmable •

Easy to install •



Specifications:	SC30 @12V
Maximum PV Power:	450W with 36-cell PV panel ^(*)
Rated Battery (Output) Current:	30A with 36-cell PV panel ^(*)
Power Consumption:	0.17W (typical standby)
Recommended Max Panel Voc at STC:	24V (Max Panel Input 30V)
Charge Profile:	Multi-Stage plus Automatic Equalization
Absorption Voltage:	14.4V ⁽¹⁾
Float Voltage:	13.2V ⁽¹⁾
Equalization Voltage (if enabled):	15.2V ⁽¹⁾
Display:	Yes
Temperature Compensation (by optional Battery Temperature Sensor):	-5.00mV/°C/cell correct factor (Range 0.00 to -8.00mV/°C/cell) ⁽¹⁾
Operating Temperature:	-40°C – 45°C
Environmental Protection:	IP10
Connection:	Battery and PV terminals #16-10AWG (tightened 4.4 in-lb, 0.50 nm)
	Battery temperature sensor terminals #26-14 AWG (tightened 2.1 in-lb, 0.24 nm)
Weight:	0.45 lb. (205 g)
Dimensions:	4.6 x 6.35 x 1.18" (11.8 x 16.1 x 3.0 cm)
Warranty:	5 years (Tech. Bulletin #100218)
Certifications:	CE, RoHS, FCC

^(*) 36-cell panels are typically referred to as "12V panels" providing Vmp/Voc of ~18V/22V at STC, 60-cell panels refers to "20V panels" (Vmp/Voc ~30V/37V), 72-cell panels refers to "24V panels" (Vmp/Voc ~36V/44V). (1) Factory default, programmable via digital display.

