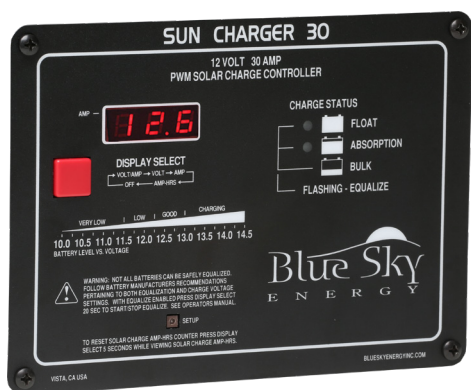


SC30

30A, @12V, PWM



Marine | RV | Off-Grid

The SC30 is our most affordable flush-mounting PWM charge controller, a solid controller for a wide range of applications and ideal for RV's and Marine applications. This controller can be programmed via its onboard display, it is fully compatible with any lead-acid (FLA, AGM, Gel) or Lithium batteries. The LED display shows battery voltage, solar charge current, and total solar charge amp hours. A perfect entry-level controller for any application!

Great PWM technology •

Low-cost application •

Fully Programmable •

Easy to install •



Product Features

- PWM technology
- Flush-Mounting (Surface wall mounting with optional metal box)
- Full monitoring and programming via its onboard display
- Longer battery life with advanced multi-stage charging (FLA,AGM,GEL) or 2-stage (lithium)
- Battery Temperature Compensation (with external battery temp. sensor)

Display

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

Electronic Protections

- PV array overload and reverse polarity
- Battery reverse polarity

Accessories

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

Specifications:

SC30 @12V

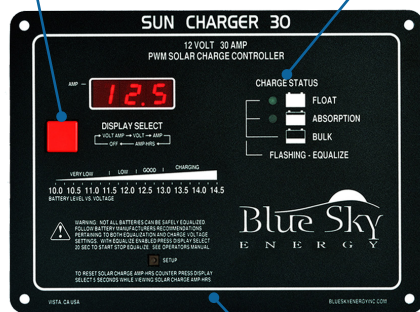
Maximum PV Power:	450 W with 36-cell PV panel (*)
Rated Battery (Output) Current:	30 A with 36-cell PV panel (*)
Power Consumption:	0.17 W (typical standby)
Recommended Max Panel Voc at STC:	24 V (Max Panel Input 30 V)
Charge Profile:	Multi-Stage plus Automatic Equalization
Absorption Voltage:	14.4 V ⁽¹⁾
Float Voltage:	13.2 V ⁽¹⁾
Equalization Voltage (if enabled):	15.2 V ⁽¹⁾
Display:	Yes
Min. Battery Voltage for Operation:	9 V
Temperature Compensation (by optional Battery Temperature Sensor):	-5.00 mV/°C/cell correct factor (Range 0.00 to -8.00 mV/°C/cell) ⁽¹⁾
Operating Temperature:	-40°C – 45°C
Environmental Protection:	IP10
Connection:	Battery and PV terminals #16-10 AWG (tightened 4.4 in-lb, 0.50 nm) Auxiliary Output 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
Certifications:	CE, RoHS, FCC

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

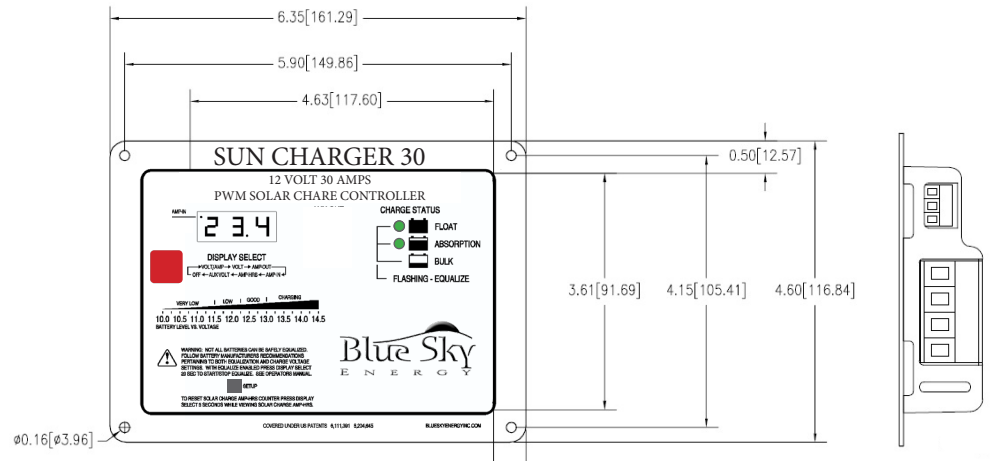
(1) Factory default voltages unless programmed via its onboard display.

Multifunction Button

LED Indicators
Charge Status



Front Panel
Flush-Mounting



Front View

Side View