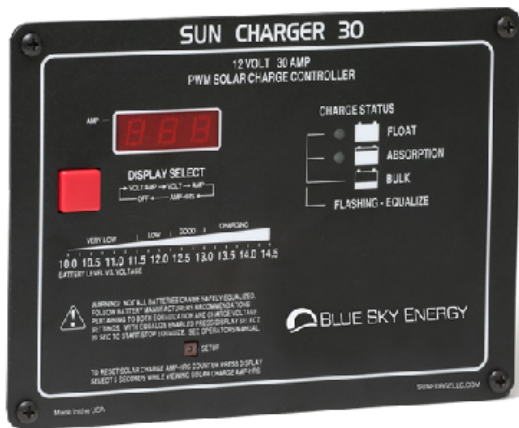


SC30

30A, @12V, PWM



Marine | RV | Off-Grid

The SC30 is our most affordable and basic PWM charge controller for a wide range of applications. It's built in LED display shows battery voltage, solar charge current, total solar charge amhours and can be used to program charge settings. 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.

