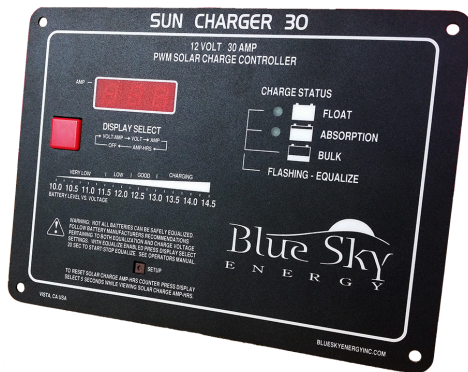


SC30 | SC30-LVD

30A, @12V, PWM

Marine | RV | Off-Grid

The SC30/SC30LVD is our most affordable and basic PWM charge controller for a wide range of applications. It's builtin LED display shows battery voltage, solar charge current, total solar charge amhours and can be used to program charge settings. The SC30LVD version provides a programmable signal output to manage DC load with low voltage disconnect or our dusktodawn control for PV street lighting. A perfect entrylevel controller!



Great PWM technology

Low-cost application

Fully Programmable

Easy to install



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)

Additional features for SC30-LVD:

- Load output signal 50mA
- Protects battery from deep discharge (via load output)
- Automatically reconnects load when power is available
- Program for Dusk-to-Dawn Lighting Control with the IPN Pro Remote

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)

Specifications:	SC30 @12V	SC30-LVD @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⁾	
Auxiliary Output:	--	50mA drive signal with LVD ⁽¹⁾
Load (LVD) Disconnect/Reconnect Voltage:	--	11.5V/12.6V ⁽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 #16-8 AWG (tightened 4.4 in-lb, 0.50 nm)	
	Auxiliary Output terminals #26-14 AWG (tightened 2.1 in-lb, 0.24 nm)	
	IPN Network terminals #26-14 AWG wire (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:		

^(*) 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.

