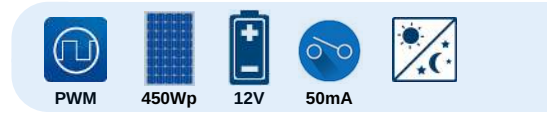


SOLAR CHARGE SC30 SOLAR CHARGE SC30-LVD



Multi-Stage PWM Solar Charge Controller

The SC30/SC30-LVD 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 amp-hours and can be used to program charge settings. The SC30-LVD version provides a programmable signal output to manage DC load with low voltage disconnect or our dusk-to-dawn control for PV street lighting. A perfect entry-level controller!



Product features

- PWM technology
- Fuller charges and longer battery life with advanced multi-stage charging (FLA,AGM,GEL)
- Equalize batteries automatically or manually
- Battery Temperature Compensation (with external battery temperature sensor)
- Additional features for SC30-LVD:**
- Load output signal 50mA
- Protects battery from deep discharge (via load output signal)
- Automatically reconnects load when power is available
- Program for Dusk-to-Dawn Lighting Control

Display

- LEDs for charge and load status
- LED display with programming 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)

Warranty

- Full 5 Year Limited Warranty (Tech. Bulletin #100218)



SC30(-LVD)		
Specifications		
Battery Voltage	@12V	
PV Input Current	30A	
Maximum PV Power	450Wp	
Power Consumption	0.17W typical standby	
PV Input Voltage (Voc)	24V maximum at STC	
Battery Charging		
Charge Algorithm	3stageBulk/Absorption/Float (Adjustable) Automatic Equalize	
Absorption Voltage	14.4V (programmable)	
Float Voltage	13.2V (programmable)	
Equalization Voltage	15.2V (programmable)	
DC Output		
	SC30	SC30-LVD
Load Output	--	50mA drive signal LVD or LVD Dusk to Dawn timer
Load Control	--	LVR 12.5V LVD 11.5V
Operation Conditions		
Temp. Compensation (by optional temp sensor)	-5.00 mV/°C/cell correction factor (Range 0.00 to -8.00 mV/°C/cell)	
Environmental	-40 to +45°C	
Mechanical		
Degree of Protection	IP 10	
Dimension (X,Y,Z)	(4.6, 6.35, 1.18)" (11.8, 16.1, 3.0)cm	
Weight	0.45 lb (205g)	

