

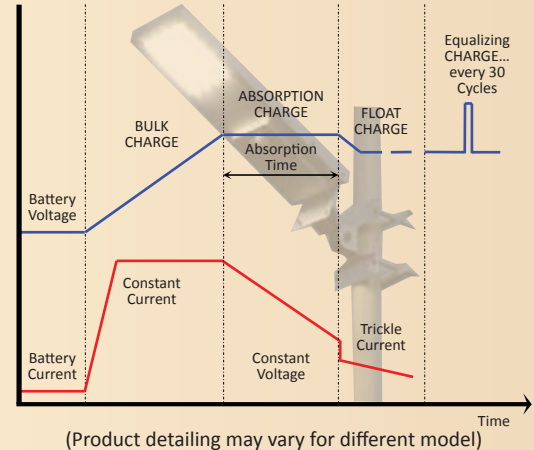
Solar Charger Driver - Ideal for Solar Street Lights. With Dusk to Dawn & Dimming Control

The **SCD series** is a **Combined Solar charge controller and LED street driver controller** bundled in **one package**.

This supports **automatic LED Street light operation based on dusk to dawn control and with dimming control**.

Advantages:

- **MOSFET based zero drop switch** delivers high conversion efficiency at low self consumption.
- **Three stage charging** using microcontrollers delivers constant current, constant Voltage & periodic Equalize charging.
- **LED driver** High efficiency constant current LED drivers.
- **Dimming control** is based on current control making it flicker free unlike the ON/ OFF method.
- **Low battery disconnect** feature prevents the battery from deep discharge.
- **Battery** Suitable for Lead Acid, VRLA, Li-ion, Li-FePO4, Batteries.



Solar Charger Driver
Auto Led Dimming Luminary 15W



Solar Charger Driver
Auto Led Dimming Luminary 25W



Solar Charger Driver
Auto Led Dimming Luminary 36W

Features:

- Automatic Dimming Control.
- Flicker less current controlled Dimming.
- Automatic Dusk to Dawn operation.
- Battery Low cutoff and reconnect.
- Low Idle Power
- Electronic protection for.
 - o Reverse connection of Panel or Battery.
 - o Overload or Short circuit, Overvoltage.
- Temperature Compensated Charging.
- Motion Sensor Interface Option.

TECHNICAL SPECIFICATION

S. No	Parameter	Range
1.	Solar Panel	Mono / Polly Crystalline
2.	Battery Voltage	12V / 14.8V
3.	Charger Efficiency	98% (min)
4.	Charger Type	PWM Control
5.	LED Driver Type	Constant Current
6.	Driver Efficiency	90% (min)
7.	Driver Capacity	10W to 40W
8.	Driver Voltage	16V to 100V
9.	Driver Protection	Overvoltage, Over Current

S. No	Parameter	Range
10	Panel VOC max	23V
11.	Battery type	Lead acid/ VRLA/ Li-Ion/ LiFePO4
12.	Temperature Compensation	-4mV/ cell/°C (LA Battery)
13.	Panel Capacity	60 to 200Wp
14.	LED Operation	Automatic Dusk to Dawn
15.	Dimming Control	Full/ Half/ Quarter Power
16.	Driver Current	0.5 to 1.5A
17.	Motion Sensor	Optional
18.	PCB Diminsion LxWxH	95x55x25 mm

*Note: Specification may change as result of continuous improvement of the product. Contact factory for latest update. Picture shown is that of the PCB. Actual model will come in enclosure as specified.