

## ALL IN ONE SMART SOLAR STREET LIGHT

### FEATURES

- Microprocessor based intelligent and efficient design
- Easy to install Off-grid Smart Street Light
- Theft proof long life Lithium Battery pack
- All in one Smart Solar Street light is designed with a built-in passive infrared PIR motion sensor which detects human / traffic presence and adjusts the LED brightness automatically. Reduces the brightness to 50%, if there is no motion for more than 30 seconds. Automatically glows at full power, if detects any movement in the range of 12 meters. This Smart operation increases the battery backup, which provides adequate illumination whenever required.



### TECHNICAL SPECIFICATION

Model	ECSSLAIO-15W	ECSSLAIO-20W	ECSSLAIO-25W	ECSSLAIO-30W	ECSSLAIO-40W
LED light Wattage	15W	20W	25W	30W	40W
Solar Panel Rectangle / Round	Mono 50W	Mono 65W	Mono 65W	Mono 65W	Mono 95W
Battery Type	Life-P04	Life-P04	Life-P04	Life-P04	Life-P04
Battery Capacity	20 Ah	25Ah	30Ah	35Ah	48Ah
Motion Sensor	yes	Yes	yes	yes	yes
Charge controller with Dimming facility	Yes	Yes	Yes	Yes	Yes
Lumens output	1200-1400	2400-2800	2400-2800	2400-2800	4800-5200
LED chip brand	Cree / Osram / Seoul	Cree / Osram / Seoul	Cree / Osram / Seoul	Cree / Osram / Seoul	Cree / Osram / Seoul
Light angle	150 * 70 degrees	150 * 70 degrees	150 * 70 degrees	150 * 70 degrees	150 * 70 degrees
Light mounting height	4-5 Mtrs.	5-6 Mtrs.	5-6 Mtrs.	6-7 Mtrs.	6-7 Mtrs.
Space between light poles	8-10 Mtrs.	10-12 Mtrs.	10-12 Mtrs.	10-12 Mtrs.	14-16 Mtrs.
Protection of LED light	IP 65	IP 65	IP 65	IP 65	IP 65
Protection of charge controller - PWM	IP 65 / IP 68	IP 65 / IP 68	IP 65 / IP 68	IP 65 / IP 68	IP 65 / IP 68
Body	Aluminum Frame	Aluminum / Metal Frame	Aluminum / Metal Frame	Aluminum / Metal Frame	Aluminum / Metal Frame
Product Dimensions (L x W x H) Approx.	820*350*40 mm	1010*350*40mm	1010*350*40mm	1010*350*40mm	1040*520*40 mm
Customized design for existing pole	Available	Available	Available	Available	Available
Colors	Available	Available	Available	Available	Available
Service facility	Detachable comp.	Detachable comp.	Detachable comp.	Detachable comp.	Detachable comp.
Warranty	Three Years	Three Years	Three Years	Three Years	Three Years

# SEMI INTEGRATED SMART SOLAR STREET LIGHT

## FEATURES

### ➤ Proper PV module Placement

In All in one Smart Solar LED Street Light, we set PV module direction and tilt angle as per user requirement and not as per optimized solar power generation. In Semi-Integrated Smart Solar Street Lights we install LED Luminaire and PV module separately with proper solar direction and tilt angle for optimal Solar utilization.

### ➤ Reduced Damage / Theft

By placing the Battery in the light fixture we reduce the risk of damage, theft or tampering.

### ➤ Compact Design

Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery box

### ➤ Dimming

PIR motion sensor or intelligent dimming based on battery state of charge

### ➤ Wide Range : 6W ~ 50W



## TECHNICAL SPECIFICATION

Model	ECSSL-S/INT-10W	ECSSL-S/INT-15W	ECSSL-S/INT-20W	ECSSL-S/INT-25W	ECSSL-S/INT-30W	ECSSL-S/INT-40W
LED light Wattage	10W	15W	20W	25W	30W	40W
Solar Panel Rectangle / Round	Mono 30W	Mono 50W	Mono 65W	Mono 65W	Mono 65W	Mono 95W
Battery Type	Life-P04	Life-P04	Life-P04	Life-P04	Life-P04	Life-P04
Battery Capacity	12Ah	20 Ah	25Ah	30Ah	35Ah	48Ah
Motion Sensor	yes	yes	yes	yes	yes	yes
Charge controller with Dimming facility	Yes	Yes	Yes	Yes	Yes	Yes
Lumens output	1200-1400	1200-1400	2400-2800	2400-2800	2400-2800	4800-5200
LED chip brand	Cree / Osram / Seoul	Cree / Osram / Seoul	Cree / Osram / Seoul	Cree / Osram / Seoul	Cree / Osram / Seoul	Cree / Osram / Seoul
Light angle	150 * 70 degrees	150 * 70 degrees	150 * 70 degrees	150 * 70 degrees	150 * 70 degrees	150 * 70 degrees
Light mounting height	4-5 Mtrs.	4-5 Mtrs.	5-6 Mtrs.	5-6 Mtrs.	6-7 Mtrs.	6-7 Mtrs.
Space between light poles	8-10 Mtrs.	8-10 Mtrs.	10-12 Mtrs.	10-12 Mtrs.	10-12 Mtrs.	14-16 Mtrs.
Protection of LED light	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Charge controller	PWM IP 65	PWM IP 65	PWM IP 65	PWM IP 65	PWM IP 65	PWM IP 65
Panel Dimensions (L x W x H) Approx.	820*350*40 mm	820*350*40 mm	1010*350*40 mm	1010*350*40 mm	1010*350*40 mm	1040*520*40 mm
Warranty	Three Years	Three Years	Three Years	Three Years	Three Years	Three Years