

* Image shown are just indicative



Airport



Institution



Hospital



Factory



Bridges



Highway & Roadway



Park & Playground

Features



Integrated design and structure

Battery, Charge Controller and PIR sensor are integrated into one fitting. It makes easy installation, connection and maintenance



Programmable

Built-in smart MPPT solar controller, adjustable brightness and time setting of light is managed by remote control



In-built Lithium battery, rechargeable



PIR Motion Sensor

Integrated PIR motion sensor detect human movements to adjust the brightness, it saves energy and makes the light more durable.



Visual display to show product status.

Specification

Parameter	12W	20W	30W	40W	50W
Charge controller Type	MPPT				
MPPT tracking efficiency	99%				
Conversion efficiency	>90%				
Standby power	<20mA				
Protection	Over Charging & Discharge, LVD, HVD, Temperature, Short Circuit				
Battery type	LiFePo4				
Nominal voltage	12.8V / 25.6V				
Battery capacity	6Ah	12Ah	18Ah	24Ah	30Ah
LVD	11V/22V				
HVD	14.6V/29.2V				
Charging type	CC CV				
Max CC Charge Current	5A	5A	5A	8A	8A
Max CC Discharge current	5A	5A	5A	8A	8A

Max Voc	21V/50V				
Vmp	18V/42V				
LED power	12W	20W	30W	40W	50W
LED max lumen output	1440	2400	3600	4800	6000
LED system Efficiency	>120lm/W				
LED CCT	5700 - 6500K				
Lighting Mode	Motion Sensor/ Timer SOC Based Operation				
Lens type	PC (IP67, IK08 rated), Type II				
CRI	>70				
POH	>50000 Hrs				
Storage temperature	0 to 45deg				
Ambient temperature for charging	0 to 60deg				
Ambient temperature for discharging	-10 to 60deg				
Backup hours efficiency (@ battery full)	>20hrs @ Power save mode				
Motion sensor	PIR Sensor, 120°				
Dimming	Available				
BLE light Control & Monitoring	Optional				
Hybrid charging /load drive	Optional				
IP Rating	Ip65				
Material	Extrusion Type - Aluminium Alloy				

Remarks:

** Specifications are subject to change without notice.

Led Status Indication

 Green LED	Green Blink	Charging
	Green Glow	Battery Full
 Blue LED	Blue Glow	Product On
 Red LED	Red Blink	LVD
	Red Glow	Over Temperature