

ISS20 series

IP
65



Features

- Easy to Install off-grid system.
- Dusk to dawn control with motion sensor.
- If no motion, brightness reduce to 50%
- When motion detected, switch to 100% brightness
- Micro-processor based intelligent & efficient product.
- Soft and comfortable light to relieve the fatigue of eyes.
- Excellent CRI for actual colour reproduction.
- Theft proof long life LiFePo4 battery pack.
- Highly reliable professional design.

Applications

- Pathway Lighting, Garden Lighting,
- Campus Lighting, Boundary Lighting
- Service Road Lighting, Village Lighting

All-in- one solar street-light comes with dusk to dawn control with motion sensor. Light will be switched on at dusk for 100% brightness for 2-3 minutes, if no motion is detected, brightness will reduce to 50% to save power and to provide best autonomy. Motion detecting range is 12 meters.

All vital operations of the system are fully visible to the end user which eases out the installation and operation of this stand alone lighting system.

Characteristics

Optics

- PC Clear Diffuser
- High transmission 93%

Thermal Interface Material

- High thermal conductivity
- Excellent heat transfer

Housing & Heat sink

- Aluminium - powder coated
- Excellent thermal conductivity

LED Driver

- Dual PWM DC-DC buck convertor
- Efficiency 92%
- PWM Frequency 30.53Khz,
- Short circuit, open circuit,
- O/V, U/V protection

Solar PV Panel

- Polycrystalline silicon
- 3.2 mm low iron tempered glass
- Low Reflection

Charge Controller

- Three Stage Battery Charge Monitoring algorithm
- PWM Frequency 25 Hz

Motion Sensor

- PIR Sensor - 12 meters range
- Detection - 102°H x 92°V

Mounting

- 76 mm Pipe Clamps
- 2 Nos



130 lm/W



6000K ± 500K



>70



Lumiled, SDCM <5



Lifespan >50000h @ L70 B10

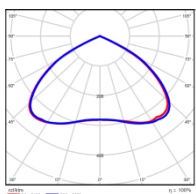


Ta : -10°C to 60°C



Rh : 0 to 95%

Distribution Curve



Product Code

Product Code	LED Power (W)	System Lumen (Lm)	In-Built Solar Module (W)	In-Built LiFePO4 Battery Pack (AH)	Dimension (mm)	Weight (Kg)
ISS20-010SP765GCMXX	10	1300	30Wp	6 AH LiFePO4 12.8V	300 x 150 x 145	7.0
ISS20-012SP765GCMXX	12	1560	40Wp	12 AH LiFePO4 12.8V	300 x 150 x 145	7.3
ISS20-015SP765GCMXX	15	1950	60Wp	18 AH LiFePO4 12.8V	300 x 150 x 145	8.0
ISS20-018SP765GCMXX	18	2340	60Wp	18 AH LiFePO4 12.8V	300 x 150 x 145	9.8
ISS20-024SP765GCMXX	24	3120	80Wp	24 AH LiFePO4 12.8V	410 x 150 x 145	11.5
ISS20-030SP765GCMXX	30	3900	100Wp	30 AH LiFePO4 12.8V	410 x 150 x 145	14.0
ISS20-036SP765GCMXX	36	4680	120Wp	30 AH LiFePO4 12.8V	410 x 150 x 145	17.0
ISS10-040SP765GCMXX	40	5200	120Wp	30 AH LiFePO4 12.8V	410 x 150 x 145	17.0

Custom Order



Accessories

