

ALL-IN-ONE SOLAR STREET LIGHT

High-performance integrated solar street lighting for parks, pathways, roads and outdoor areas

- ✓ No mains electricity required
- ✓ Easy installation
- ✓ Low running costs
- ✓ Ideal for remote locations



ALL-IN-ONE SOLAR SYSTEM

Solar panel, lithium battery, PIR motion sensor and programmable MPPT charge controller integrated into a single compact luminaire.



AUTOMATIC DIMMING & PIR SENSOR

Automatic dimming from 30–50% up to 100% when the motion sensor is triggered, helping to optimise battery use.



LI-ION BATTERY & MPPT CONTROL

High quality lithium battery combined with a programmable MPPT charge controller for efficient solar charging and intelligent lighting control.



HIGH-EFFICIENCY LED

Available in 20W, 30W, 45W and 60W versions, producing maximum outputs above 3,600, 4,500, 6,000 and 8,800 lumens respectively.



MONOCRYSTALLINE SOLAR PANEL

Integrated high-efficiency monocrystalline photovoltaic technology designed for reliable performance, even in lower light conditions.



ROBUST OUTDOOR CONSTRUCTION

Aluminium die-cast housing, UV-protected PMMA lens, IP65 protection and IK08 impact resistance for demanding outdoor environments.



Available in 20W, 30W, 45W and 60W versions

KEY TECHNICAL SPECIFICATION

Model	20W	30W	45W	60W
LED power	20W	30W	45W	60W
Maximum luminous flux	>3,600 lm	>4,500 lm	>6,000 lm	>8,800 lm
Solar panel	42W	56W	80W	120W
System voltage	18V	18V	18V	18V
Battery	18Ah 12.8V	18Ah 12.8V	36Ah 12.8V	54Ah 12.8V
Battery life	>2,000 cycles	>2,000 cycles	>2,000 cycles	>2,000 cycles
LED source	SMD3030 60 pcs	SMD3030 120 pcs	SMD3030 180 pcs	SMD3030 240 pcs
Colour temperature	3000K / 4000K / 5500K	3000K / 4000K / 5500K	3000K / 4000K / 5500K	3000K / 4000K / 5500K
Controller	Programmable MPPT + motion sensor	Programmable MPPT + motion sensor	Programmable MPPT + motion sensor	Programmable MPPT + motion sensor
Beam angle	145° x 75°	145° x 75°	145° x 75°	145° x 75°
CRI	>80	>80	>80	>80
LED efficiency	140 ± 10 lm/W at T65°C	140 ± 10 lm/W at T65°C	140 ± 10 lm/W at T65°C	140 ± 10 lm/W at T65°C
Protection rating	IP65	IP65	IP65	IP65
Impact rating	IK08	IK08	IK08	IK08
Housing	Aluminium die-cast; PMMA UV-protected lens	Aluminium die-cast; PMMA UV-protected lens	Aluminium die-cast; PMMA UV-protected lens	Aluminium die-cast; PMMA UV-protected lens
Mounting	60mm / 80mm pole	60mm / 80mm pole	60mm / 80mm pole	60mm / 80mm pole

APPLICATIONS

- ✓ Parks and pathways
- ✓ Roads and public areas
- ✓ Car parks
- ✓ Commercial sites
- ✓ Rural locations
- ✓ Areas without mains electricity
- ✓ Security and general street lighting



**2 YEAR
WARRANTY**

Reliable integrated solar lighting with low running costs.

TYPICAL INSTALLATION HEIGHT

Recommended installation height: 3–6 metres (depending on model and application).

