



The SolarPath HIGHLIGHT SWPL™ is the most advanced and sophisticated solar light pole available on the market. The solar light pole is completely off-grid and works autonomously, using sustainable solar power. This means there is no need for expensive cabling and invasive trenching, which results in fast installation, easy operation and a low total cost of ownership (TCO). Smart machine learning algorithms continually optimize the performance of the carbon neutral light pole. The curved vertically integrated solar panels are wind-resistant and self-cleaning, as dirt and dust cannot stick on the design. Solar energy generated during the day is stored in high-quality lithium batteries, which are long-lasting and require minimum maintenance. The highly-efficient LED-luminaire provides powerful lighting at night. The HIGHLIGHT SWPL can be connected to an online platform which enables remote monitoring and management. This reduces maintenance costs and makes the light pole extremely reliable.

Key features

- Low installation and maintenance costs.
- Weather-proof and UV- proof.
- IP Rating 66
- High LED performance
- LED's operation life time over 70,000 hours.
- Light dimming engine.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery enclosure.
- Wind- resistant and self cleaning.
- Aluminum housing for efficient heat dissipation
- Dark Sky friendly, approved by IDA.

Uses and Applications Guide

Streets lighting	●
Parking lots	●
Walking/bike path	●
Branch roads	●
Residential roads	●
Public parks	●
Sports lighting	●

Technical Specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 440W
	Amount of solar modules	Up to 4 pcs
Solar Charge Controller Parameters	Type	MPPT
Battery type and parameters	Lithium (NMC)	Up to 1,600WH
Operation profile	Programmable	
On-board mobile communication	GSM / LTE-M	
Encryption	TLS 1.2	
Global Navigation Satellite System (GNSS)	GPS, BeiDou, Galileo, GLONASS, QZSS	
Over-the-Cable updatable	Yes (USB- programming device optional)	
Over-the-Air updatable	Yes	
Remote monitoring and configuring	Optional	
Time and date	Astronomical clock	
Smart city ready	Yes	
Operation Temperature	-4°F-140°F	
Pole Height	13.1ft-39.3ft	

Ordering Guide

EXAMPLE: SWPL-A-110W-30W-1-30K-800WH-WH

Model	Solar Panel Quantity	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery capacity	LED Body color
SWPL	A-1 panel B-2 panels C-3 panels D-4 panels	110W	30W 60W 80W 120W 160W	1 – Type I 2 – Type II 3 – Type III	30K 40K	800Wh 1,600Wh	WH-White BLK-Black



*Up on request

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