



Technical Specifications

The SolarPath HIGHLIGHT EXCEL-Series™ is the premier LED solar illumination technology in its class today. Ultra- bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a street light. The HL-EXCEL's battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

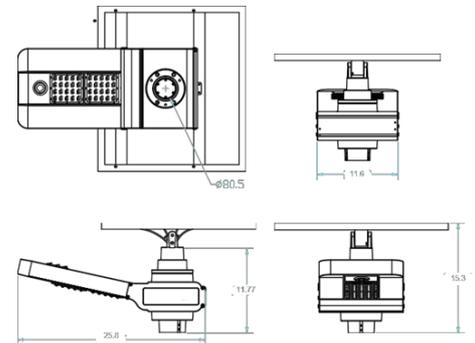
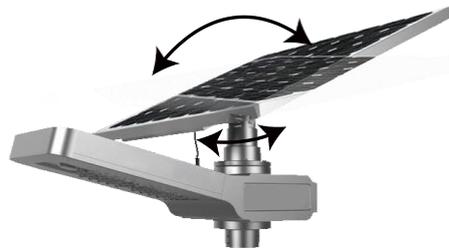
Key features

- Low installation and maintenance costs.
- IP65 grade, TVS lighting protection.
- High LED performance 1W/160lm.
- Light dimming engine.
- Led's operating life time over 150,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery enclosure.
- Aluminum alloy, die-cast aluminum.
- Approved IDA.
- LM 79/80

Solar Module Parameters	Type	High-efficiency Monocrystalline
	Power	Up to 150W
Solar ChargeController Parameters	Type	MPPT, infrared solar charging controller with infrared remote control.
Battery capacity	LifePO4	Up to 610WH
LED Light Parameters	Light Source Power	Up to 50W
	Lamp Rated Total Luminous Flux	Up to 7,500Lm
	CCT (Correlated Color Temperature)	3,000K-6,500K
	Color Rendering Index (CRI)	≥70
	Light Control Voltage	5V
Operation profile	Depend on installation area, can be programed with remote control.	
Working temperature	-4F°-140F°	
Lighting Material	High quality aluminum alloy, die-cast aluminum	

Uses and Applications Guide

Streets lighting	●
Parking lots	●
High Speed way	●
Branch roads	●
Residential roads	●
Public parks	●
Sports lighting	●



Ordering Guide

EXAMPLE: EXCEL1000-50W-15W-4-30K-170WH-GR-01

Model	Type	Solar Panel	Led Power	Distribution Type	Led Color Temp	Battery	LED Body color	Options
EXCEL	1,000	50W	15W	4 - Type IV	30K	170WH	GR - Grey	01 - Motion sensor (Only for 1,000,2,000,3,000 types)
	2,000	65W	20W		40K	212WH		
	3,000	80W	30W		50K	340WH		
	4,000	100W	40W		65K	424WH		
	5,000	150W	50W			610WH		



*Up on request