

INTEGRATED SOLAR LIGHTING

THOR by truelite

Smart Solar Street Light

40 | 60 | 80 | 90 | 100 | 110 Watts

Truelite's Thor smart solar LED street light is the most advanced form of solar roadway lighting available, that integrates a lithium battery and smart controller into the light head that can provide up to 15000 lumens and 24 hours of battery backup in a completely automated operation.

Thor by Truelite was developed after the huge success of our 4G smart light on the same principle and technology for higher lighting requirements. The light has a better output with more longer battery backup than regular all-in-one solar lights.

Key Features ▼ True revolution in solar roadway lighting

Light Head

- Up to 15000 lumens light output.
- 40 Watts to 110 Watts variance.
- High efficiency of 150 lumen per watt.
- Lumileds power source certified LM-80 standard - 50,000 hours.
- IP 66 aluminium die-cast casing and certified IK08 standard.
- Vandal-resistant build.
- Smart communication integration.
- Suitable for high mast applications up to 14m pole height.

Battery Bank

- Integrated lithium battery bank with more than 6000 cycles.
- 12 hours 100 % brightness working with automatic dusk to dawn operation.
- Maximum capacity of 2160 Wh.



Smart MPPT Solar Controller

- Customized working mode for dimming and working hours.
- Advanced metering remote control options.
- Easy setting up functions in remote control – optional

Solar Panel

- Thor by Truelite is equipped to connect 72 cell solar panels up to 325 watts.
- High efficiency design ; 20% efficiency.
- External solar panel make the system flexible for any geographical conditions and scalability of the panel size to meet low irradiance project locations.



Remote Setting



Lithium Battery



12 Hrs/Day



RoHS

IP66



Programmable



External solar panel



Microwave sensor



MC4 Connection



Compact system



Product Specifications

Model No.	TLT4-6000	TLT6-9000	TLT8-11200	TLT9-12600	TLT10-14000	TLT11-15400
Fixture IP	IP66					
Material	Aluminium Die Casting					
LED Type	Philips Lumileds SMD3030 248 Pcs					
CCT Range	3000K / 4000K / 5000K / 6000K					
Beam Angle	145° * 83°					
CRI	>81					
Luminous Flux	6000lm	9000lm	11200lm	12600lm	14000lm	15400lm
Rated Power	40W	60W	80W	90W	100W	110W
Standard Battery Capacity(24h)	1560Wh	1560Wh	2160Wh	2160Wh	2160Wh	2160Wh
Max. Extended Battery Capacity	2160Wh					
Charge Time	5 Hours					
Discharge Time	>24 Hours					
Control System	Programmable MPPT Controller / Hybrid Controller / Wireless Intelligent Control					
Solar Panel	120W 36V	180W 36V	240W 36V	270W 36V	300W 36V	325W 36V
Cell Type	MONO Crystalline					
Working Temp.	-20 °C ~ 65 °C					
Control Method	Automatic dusk to dawn / Time Control / Manual ON-OFF					
Lighting Modes	100% Continuous lighting / Energy saving / Customized modes.					
N.W/Light	15.80kg	15.80kg	20.35Kg	20.35Kg	20.35Kg	20.35Kg
G.W/Light	16.30Kg	16.30Kg	21.60Kg	21.60Kg	21.60Kg	21.60Kg
Product Size	800*310*116mm					
CTN Size	930*400*220mm					
Certificates	CE, ROHS, FCC, IP66, IK08, RCM, LM80					

