

# MT-SEL

30W/40W/60W



## SOLO-E- II -ALL IN TWO SOLAR STREET LIGHT

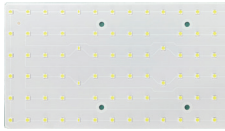
Integrated design, modular production;  
The large lamp beads with lens have better condensing, brighter and wider irradiation area;  
Illuminated from different directions, wide illumination range;  
High photoelectric conversion efficiency, can be charged even in rainy days;  
The shell is made of die-cast aluminum, which has good protect.



Model No.	MT-SEL-001	MT-SEL-002	MT-SEL-003	MT-SEL-004
Rated Power	30W	40W	40W	60W
System Voltage	DC12.8V	DC12.8V	DC12.8V	DC12.8V
Lithium Battery	24AH	36AH	40AH	50AH
Light Source	3030			
Light Distribution	Bat-Wing light distribution (150°×75°)			
Light Efficiency	110~160LM/W			
Color Temperature	3000K~6000K			
CRI	≥Ra70			
IP Rating	IP65			
Working Temperature	-10℃~+60℃			
Working humidity	10%-90%RH			
LED Lifespan	50000H~100000H			
Mount Diameter	φ60mm			
Lamp Dimension	730×310×90mm			
Lamp Weight(Net weight)	4.9kg	5.9kg	7.2kg	6.9kg
Package Dimension (Sleeve not included)	820×310×155mm	820×310×155mm	820×310×155mm	820×310×155mm
Suggested Mount Height	4m~6m	4m~6m	4m~6m	6m~8m
Warranty	3 Years			

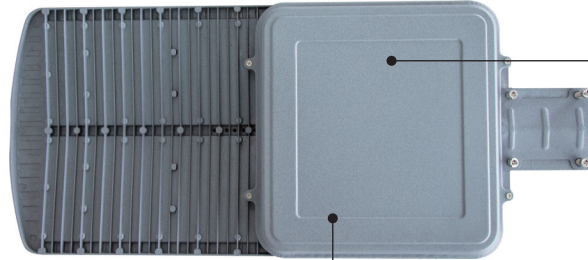


## Product Structure



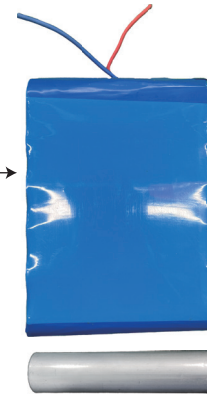
### LED PCB Board

The design of directly mounting LED chips onto aluminum substrates features simplicity in structure, reduced component count, cost-effectiveness, space saving, excellent heat dissipation, good optical performance, and environmental friendliness. Implementing a dual-sided emitting design.



### Smart Controller

With intelligent control of lighting time, overcharge, over discharge, electronic shortcircuit, overload protection, anti-reverseconnection protection and other functions. it canadapt to cold, high temperature, humidity andother environments.



### LiFePo4 Battery

Recycle more than 1500times, reliable and safe, noexplosion and fire;High temperature resistance.large capacity, greenenvironmental protection

## Light Source Parameters

### Street Light Intensity Test Report (20W Parameter)

DATA OF LAMP		PHOTOMETRIC DATA		Eff: 163.72 lm/W	
MODEL	MT-SEL-001	Imax (cd)	1795	$\eta$ street up (%)	0.4
NOMINAL POWER (W)	30	LOR (%)	100.0	$\eta$ street down (%)	55.5
RATED VOLTAGE (V)	30	TOTAL FLUX (lm)	4912	$\eta$ house up (%)	0.3
NOMINAL FLUX (lm)	2455.89	MAXIMUM $\theta$ (C, $\gamma$ )	0, 50.0	$\eta$ house down (%)	43.9
LAMPS INSIDE	2	$\eta$ up (%)	0.7	76°FLASHAREA (m <sup>2</sup> )	0.00100
TSET VOLTAGE (V)	27.66	$\eta$ down (%)	99.3	SLI	20.415

### Meridian Light Distribution Curve(20W Parameter)

