

SOLAR Streetlight



OUTDOOR SERIES



PRODUCT OVERVIEW

The **AL TSA SOLOS Solar Streetlights** provide extreme lumen output and long lasting stability.

It is designed to withstand extreme weather conditions with it's fully IP66 rated casing.

The luminaire incorporates a monocrystalline solar panel and MPPT tracking ensuring an increase in charging efficiency over the PWM modules. Lithium iron batteries ensure longer lifespan with increased charging cycles. SMD LED chips increases luminous efficiency.

The luminaire uses an independent

Aluminum heatsink, keeping temperature rise as low as possible. Motion sensors and photocells are used to extend working time by incorporating curve dimming. Easily installed, serviceable and with essentially no upkeep.

Quality comes standard...



Hours
LIFESPAN



IP66
OUTDOOR



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Roads/Highways

Industrial Complexes

Estates

Parking Areas

Warehouses/Factories

Shipping Yards

FEATURES

Water, Dust & Damp Proof

Life PO4 Batteries

High Luminous Efficiency

Internal battery box

Excellent heat dissipation

Aluminium Heat sink

Charging Time: 6 - 8 Hours

Easy Installation

Monocrystalline Solar Panel

Discharge Time: 12-15Hrs/5-7Hrs Cloud

CONSTRUCTION DETAILS

Aluminium Housing

PMMA Lens

Black/Silver Finish

IP66 Ingress Protection

IK10 Impact Resistance

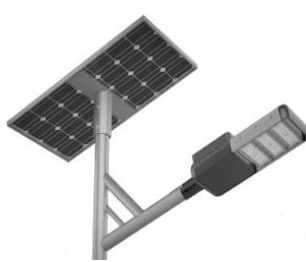
Solar Streetlight | Technical Data

MODEL No.:	POWER (W)	LUMEN (lm/W)	PV PANEL (V/W)	BATTERY (Ah)	BEAM ANGLE	CRI	CCT (K)	LIFEP04 BATTERY	LED TYPE
SOLO30W/*	30	170	18/40	8	140°x70°	>70	2200-6000	18AH 12.8V	BRIDGELUX
SOLO40W/*	40	170	18/50	12	140°x70°	>70	2200-6000	24AH 12.8V	BRIDGELUX
SOLO50W/*	50	170	18/65	16	140°x70°	>70	2200-6000	30AH 12.8V	BRIDGELUX
SOLO60W/*	60	170	18/80	24	140°x70°	>70	2200-6000	36AH 12.8V	BRIDGELUX
SOLO80W/*	80	170	18/100	16	140°x70°	>70	2200-6000	42AH 12.8V	BRIDGELUX
SOLO100W/*	100	170	18/130	16	140°x70°	>70	2200-6000	54AH 12.8V	BRIDGELUX
SOLO120W/*	120	170	18/170	16	140°x70°	>70	2200-6000	60AH 12.8V	BRIDGELUX

30W-40W



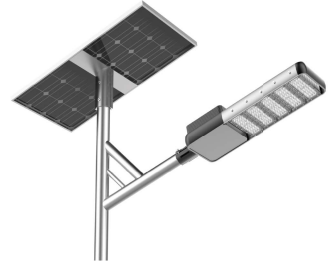
50W-60W



60W-80W



100W-120W



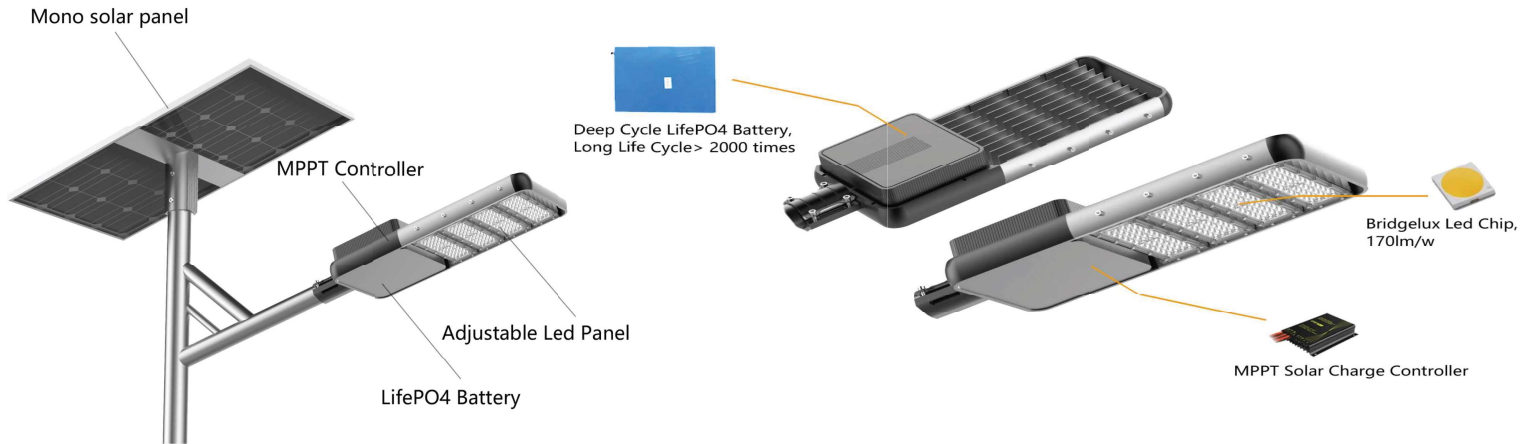
MECHANICAL DATA

Humidity Range:	30-60%
LED Brand:	Philips 5050 Bridgelux
Operating Temperature:	-20°C ~ 50°C
Housing Material:	Aluminium
Lens Material:	PMMA With IK10 Impact Resistance
Housing Finish:	Black/Silver
IP Rating	IP66
Mounting Configuration:	Surface Pole Mount
Glare Rating:	UGR 22
Flicker&DLC Specification:	SVM<0.4 DLC V4.0

ELECTRICAL DATA

FEATURES		
Driver:	MeanWell	EMC Applicable
Electrical Class:	Class 1	Battery Backup 30-90Min 20%
Nominal Voltage Range:	DC12V	Motion Sensor
Power Factor:	>0.95	
THD:	12%	
Surge Protection:	Standard 1000V- Optional 3000V	
Photocell:	External	
Cable Entry:	Bottom	

Solar Streetlight



MOUNTING OPTIONS

Single Arm



Double Arm



Install Pole
diameter

60-65mm

DIMENSIONAL DATA

	30W	40W	50W	60W	80W	100W	120W
Length	695mm	695mm	695mm	695mm	785mm	785mm	785mm
Width	300mm	300mm	300mm	300mm	300mm	300mm	300mm
Height	115mm	115mm	115mm	115mm	115mm	115mm	115mm
Weight	9.8kg	11.5kg	13.2kg	15.6kg	18.5kg	22.2kg	kg