



High Performance

High Efficiency LED Module



IP65 Rated

IP65 Compatible System Components



Microwave Sensor

Auto-DIM with Microwave Sensor



Smart Power Management System

Ability to Extend Autonomy Duration Within the Scenario



LFP Battery Technology

High Performance with Next-Generation Lithium Battery Technology



Safe Structure

Open Circuit, Short Circuit, Over Power and Polarity Protection

- High Efficiency LED Module ($\geq 185\text{lm/W}$)
- Writing a Program within the Desired Scenario
- MPPT Solar Charge Controller with Constant Current Output
- See Device Information Instantly with Remote Control
- Long Lasting LiFePO_4 Battery with Built-in BMS
- Open Circuit, Short Circuit, Over Power and Polarity Protection
- Special Design Aluminum Injection LED Module Housing
- Asymmetric LED Lens with High Light Transmittance (≥ 95)
- Electrostatic Powder Coated Square Profiled Post with Hot Dip Galvanized Coating
- High Efficiency PERC Monocrystalline Solar Panel
- 3-stage solar panel angle and direction adjustment



TECHNICAL CHARACTERISTICS (System without Sensor)

	20W	36W	58W	90W
ELECTRICAL CHARACTERISTICS				
Panel Technology	TT065 36TN10	TT120 36TN10	TT085 36TN10	TT130 36TN10
Panel Power	65Wp	120Wp	85Wp (x2)	130Wp (x2)
Battery Technology	LFP Battery			
Battery Capacity	307.2Wh (12.8V/24Ah)	537.6Wh (12.8V/42Ah)	645.1Wh (25.6V/30.0Ah)	1228.8Wh (25.6V/48Ah)
Led Module Power	4W-20W (Programmable)	7.2W-36W (Programmable)	11.7W-58W (Programmable)	18W-90W (Programmable)
Charge Control Type	MPPT (12V/24V)			
Autonomy Duration	Min. 2 Days*			
OPTICAL CHARACTERISTICS				
Light Power	3700lm	6660lm	10730lm	16650lm
CCT	4000K			
CRI	Ra ≥ 80			
Lens	Asymmetric			
SAFETY				
Reverse Polarity Protection	Available			
Open Circuit Protection	Available			
Short Circuit Protection	Available			
Overload Protection	Available			
OTHER CHARACTERISTICS				
Protection Class	IP 65			
LED Lifetime	≥ 50.000 Hours			
Operating Temperature	-30°C and +65°C			
Post Type	Hot Dip Galvanized Polygonal Steel (Optional)			
Post Height	4m / 6m (Optional)	4m / 6m (Optional)	6m / 8m (Optional)	6m / 8m / 10m (Optional)
DIM Feature	Programmable			
Solar Angle Adjustment	Available			
Smart Control	DIM, Microwave Sensor, Intelligent Power Management, Remote Control			
Smart Power Mode	Available			
Sensor Type	Microwave Sensor			
Accessory	Remote Control			

TECHNICAL CHARACTERISTICS (System with Sensor)

	20W	36W	58W	90W
ELECTRICAL CHARACTERISTICS				
Panel Technology	TT065 36TN10	TT085 36TN10	TT065 36TN10	TT100 36TN10
Panel Power	65Wp	85Wp	65Wp (x2)	100Wp (x2)
Battery Technology	LFP Battery			
Battery Capacity	230.4Wh (12.8V/18Ah)	368.6Wh (12.8V/30Ah)	614.4Wh (25.6V/24Ah)	921.6Wh (25.6V/36Ah)
Led Module Power	4W-20W (Programmable)	7.2W-36W (Programmable)	11.7W-58W (Programmable)	18W-90W (Programmable)
Charge Control Type	MPPT (12V/24V)			
Autonomy Duration	Min. 2 Days*			
OPTICAL CHARACTERISTICS				
Light Power	3700lm	6660lm	10730lm	16650lm
CCT	4000K			
CRI	Ra ≥ 80			
Lens	Asymmetric			
SAFETY				
Reverse Polarity Protection	Available			
Open Circuit Protection	Available			
Short Circuit Protection	Available			
Overload Protection	Available			
OTHER CHARACTERISTICS				
Protection Class	IP 65			
LED Lifetime	≥ 50.000 Hours			
Operating Temperature	-30°C and +65°C			
Post Type	Hot Dip Galvanized Polygonal Steel (Optional)			
Post Height	4m / 6m(Optional)	4m / 6m (Optional)	6m / 8m (Optional)	6m / 8m / 10m (Optional)
DIM Feature	Programmable			
Solar Angle Adjustment	Available			
Smart Control	DIM, Microwave Sensor, Intelligent Power Management, Remote Control			
Smart Power Mode	Available			
Sensor Type	Microwave Sensor			
Accessory	Remote Control			

SOLAR LED PACKAGE WITHOUT POLE

(System without Sensor)

20W LED POWER

TT-LED-YA-20W-SY

58W LED POWER

TT-LED-YA-58W-SY

36W LED POWER

TT-LED-YA-36W-SY

90W LED POWER

TT-LED-YA-90W-SY

(System with Sensor)

20W LED POWER

TT-LED-YA-20W-SV

58W LED POWER

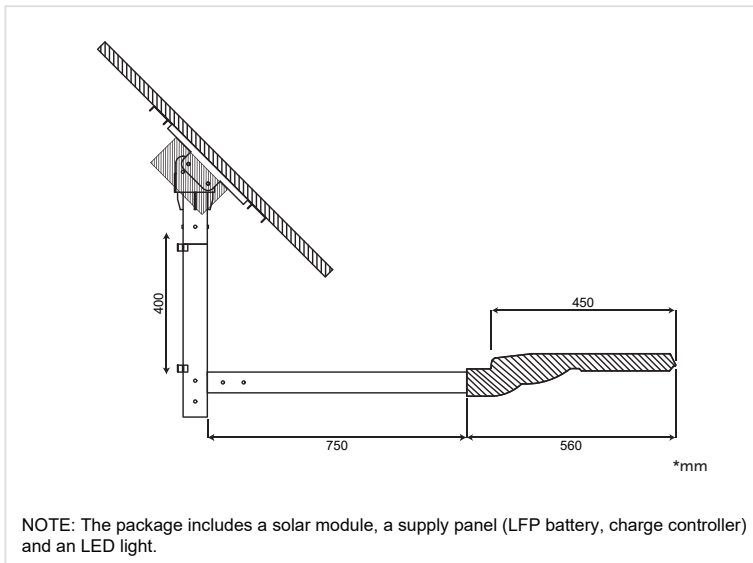
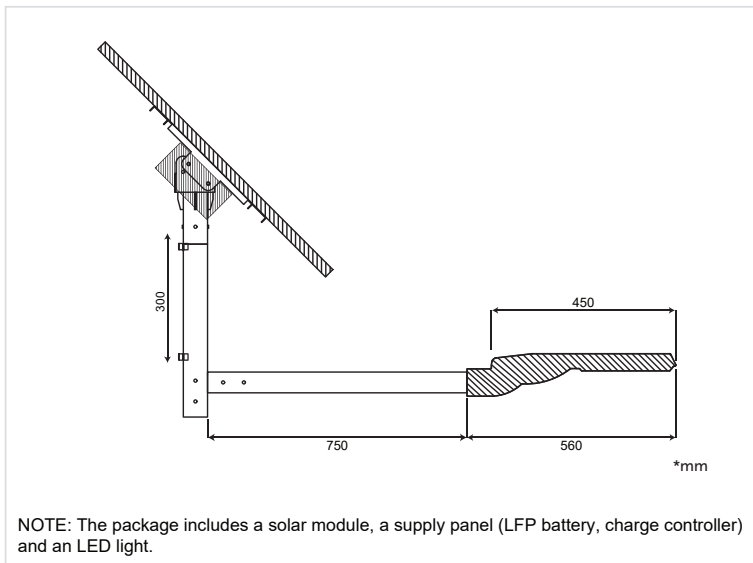
TT-LED-YA-58W-SV

36W LED POWER

TT-LED-YA-36W-SV

90W LED POWER

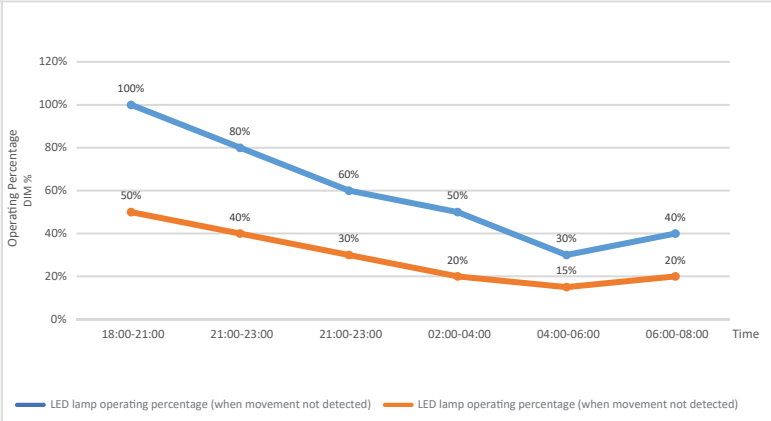
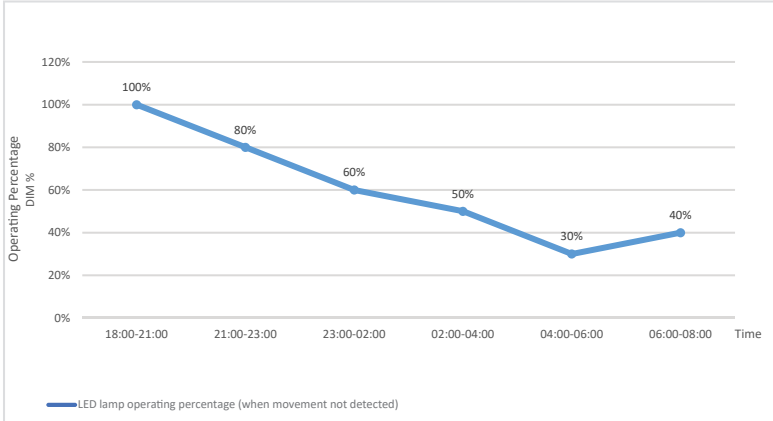
TT-LED-YA-90W-SV



SOLAR LED OPERATING SCENARIO

(System without Sensor)

(System with Sensor)



SOLAR LED POLES (OPTIONAL)

4 Meter Polygonal Steel Pole

SA-AKS-DRK-PLG-4M

6 Meter Polygonal Steel Pole

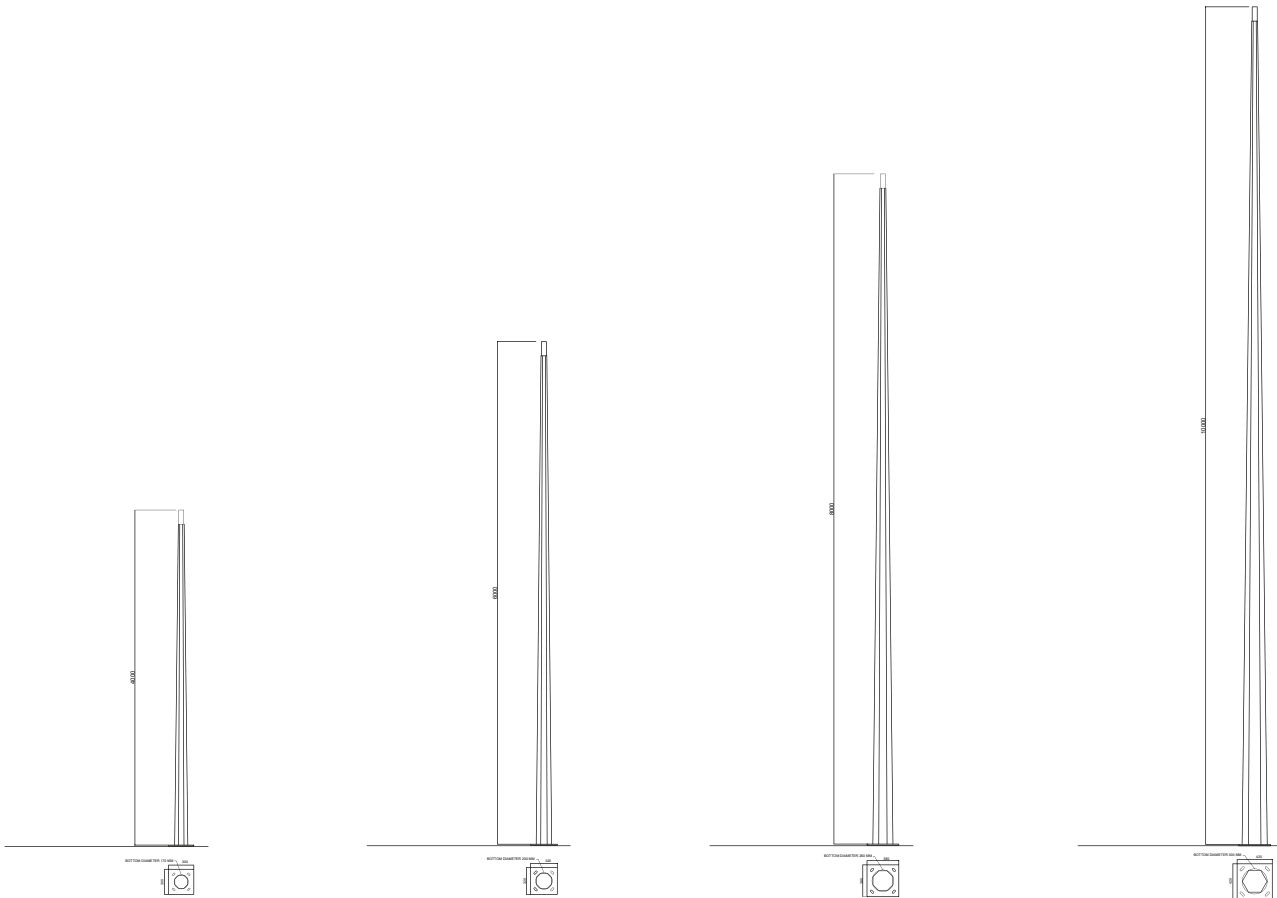
SA-AKS-DRK-PLG-6M

8 Meter Polygonal Steel Pole

SA-AKS-DRK-PLG-8M

10 Meter Polygonal Steel Pole

SA-AKS-DRK-PLG-10M



*mm

* TommaTech reserves the right to change the specification of product without prior notice.
 * The charge, discharge, capacity, and cycle values stated above are valid at 25 °C and non-condensing environment.
 * The autonomy duration is based on 1400kWh/m2 -year irradiance (Türkiye average) and the default sensor operation scenario (1 night 14 hours).
 * Please contact us for your special requests and projects.