



TommaTech Solar LED Street Lighting is perfectly designed by combining new generation high efficient solar panel technology with lithium battery energy storage systems and is available in 20W, 36W, 58W and 90W power options. Solar LEDs with smart power mode offer long-lasting and active lighting with the microwave sensor in its structure. Can be used in streets, gardens, workplace an road lighting, solar LEDs offer an aesthetic appearance as well as reducing bills. TommaTech Solar LED Street Lighting, which stand out with their functionality, is presented to users with the concept of green energy.



High Performance
Yüksek verimli LED modül



Microwave Sensor
Auto-DIM with microwave sensor



IP65 Rated
IP65 compatible system components



Safe Structure
Open Circuit, Short Circuit,
Over Power and Polarity Protection



Smart Power Management System
Ability to extend the autonomy period up to 4-6 days



LFP Battery Technology
High performance with next-generation Lithium battery technology



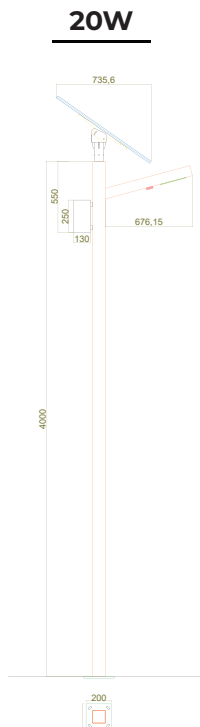
- High Efficiency PERC Monocrystalline Solar Panel
- Long Lasting LiFePO₄ Battery with Built-in BMS
- MPPT Solar Charge Controller with Constant Current Output
- Automatic DIM with Microwave Sensor
- See Device Information Instantly with Remote Control
- Writing a Program within the Desired Scenario
- Mechanical Optimum Solar Angle Adjustment
- High Efficiency LED Module ($\geq 185\text{lm/W}$)
- Asymmetric LED Lens with High Light Transmittance (≥ 95)
- Special Design Aluminum Injection LED Module Housing
- Electrostatic Powder Coated Square Profiled Post with Hot Dip Galvanized Coating
- Open Circuit, Short Circuit, Over Power and Polarity Protection



TECHNICAL CHARACTERISTICS

ELECTRICAL CHARACTERISTICS	20W	20W
	TT-LED-YY-4M-20W-S1	TT-LED-YY-4M-20W-S2
Panel Technology	TT60 36MB6	TT120 36PM12
Panel Power	60Wp	120Wp
Battery Technology	LiFePO ₄ Lithium Battery	LiFePO ₄ Lithium Battery
Battery Capacity	153.6Wh (12.8V/12Ah)	307.2Wh (12.8V/24Ah)
Led Module Power	4W-20W (Programmable)	4W-20W (Programmable)
Charge Control Type	MPPT (12V/24V)	MPPT (12V/24V)
Autonomy Duration	Min. 1 Day*	Min. 1 Day*
OPTICAL CHARACTERISTICS		
Light Power		3700lm
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		Electrostatic Painted Galvanized Coated Square Profiled Steel
Post Height		4m
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

PHYSICAL CHARACTERISTICS



*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.

* Minimum 1 and 2 days autonomy duration is based on 1450kWh/m² -year irradiance (Türkiye average) and default sensor operation scenario (1 night 14 hours).

* Please contact us for your special requests and projects.