



TITAN All in One

Integrated Solar Street Lights

TITAN is the latest design series of all In one solar street lights that adopts the classical concept of 'All In One' and module structure, which offers extremely effective illumination for a wide range of applications. It's based upon 'reliability' and 'easier to installation' as all components are integrated into one housing. TITAN is adopting quality aluminum die casting housing instead of aluminum alloy which has better wind-resistant performance and reaches a high IK level with aesthetic appearance. PIR motion sensor is equipped to save more energy. TITAN is suitable to be installed in parks, pathways, etc, good to be installed on poles from 5 meters to 10 meters.

- IP65, IK08
- Shelf life 25 years
- PIR motion sensor
- LiFePO4 battery
- Aesthetic appearance
- Three years warranty.
- Easy Installation
- Fully integrated technology
- Adjustable bracket
- UV and salty resistant

Main Specification

Item number	TITAN T400	TITAN T600	TITAN T800
Peak Luminous Flux	4,800lm	6,800lm	8,800lm
Rated Power	30W	45W	60W
CRI	>79		
LED Type	Lumileds SMD3030 120pcs	180pcs	240pcs
CCT Range	3000K / 4000K / 5000K / 6000K		
Beam Angle	Bat wing pattern with polarized light		
Battery Capacity	230WH 12.8V	460WH 12.8V	691WH 12.8V
Battery Type	Brand new LiFePO4 cell		
Battery Lifetime	D.O.D 50% 4000 cycles		
Charge & Discharge Time	4 hours & >24 hours		
Solar Panel	56W 18V	80W 18V	120W 18V
Working Temp.	-20 °C ~ +75 °C		
Control Method	Automatic dusk to dawn ON/OFF		
Solar Charge Controller	MPPT with motion sensor		
Default Lighting modes	12 hours operation with 30% + 100% when motion sensor is triggered		
Motion Sensor	PIR / Microwave sensor optional		
Fixture Size	790*368*145mm	1010*430*145mm	1200*505*160mm
Fixture materials	Aluminum Die Casting		
Fixture color	Gray RAL7005		
Mounting Diameter	60mm / 80mm		
N.W/Light	9.60kg	14.30kg	15.40kg
G.W/Light	10.30kg	15.30kg	16.40kg
IP Rate	IP65		
Warranty	3 years		
Certificates	CB CE ROHS IP67 LM79 LM80 FCC		

PIR Motion Sensor

PIR Motion Sensor with up to 10m wide range human body infrared rays detector - it gathers automatic convenient, safe energy saving, functions.

MPPT Controller

Smart solar charge controller with LED driver inbuilt with multi-period control, charging and discharge efficiency more than 97%. IP67 waterproof and high-temp resistant.

LED Optics

120° *70° degrees beam angles light utilization more than 70% for street applications light transmittance 92%, antti-UV, IP65 dust-proof & waterproof.

Lithium Battery Pack

Battery bank will be providing as per customer requirements and project conditions. Lithium ion battery long life up to 2000 circles (8 to 10 years) withstand high temperature.