



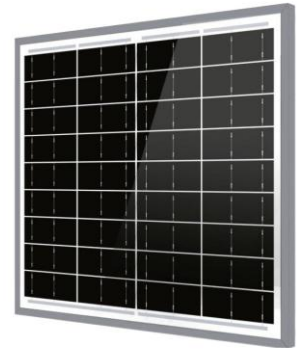
TPS-12-20W

DATA SHEET

Heavy Duty Solar Panel

Features

- Excellent Low Light Performance
- Extremely Reliable. 5 Year Product Warranty. 25 year Solar Cell Output Warranty.
- High Efficiency with High Transparency Low Iron Tempered Glass Cover. Rugged Extruded Anodized Aluminum Frame
- Sealed for Protection from Harsh Environments

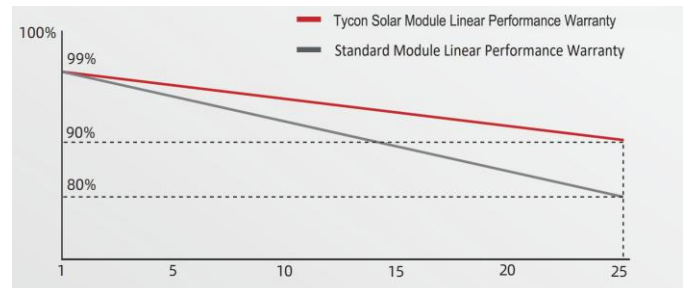
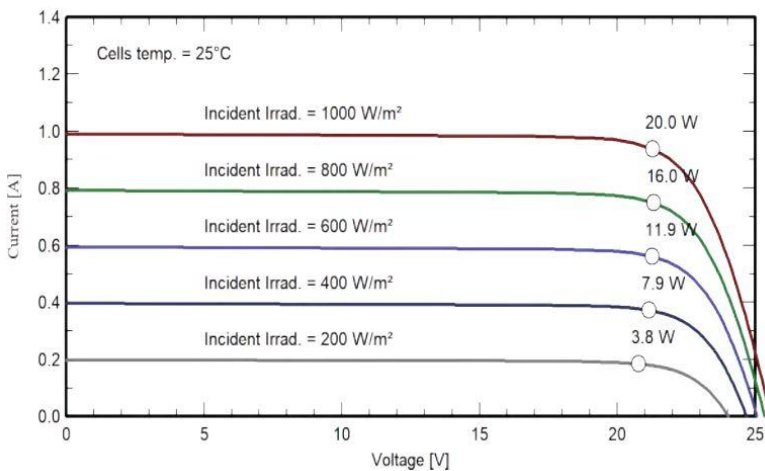


Applications

- Battery Charging Applications
- Wireless Base Stations
- Remote Sensors
- Remote Gates
- Surveillance Cameras
- Outdoor Lighting
- Backup Power Systems
- Electric Fence

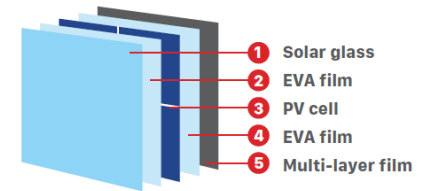
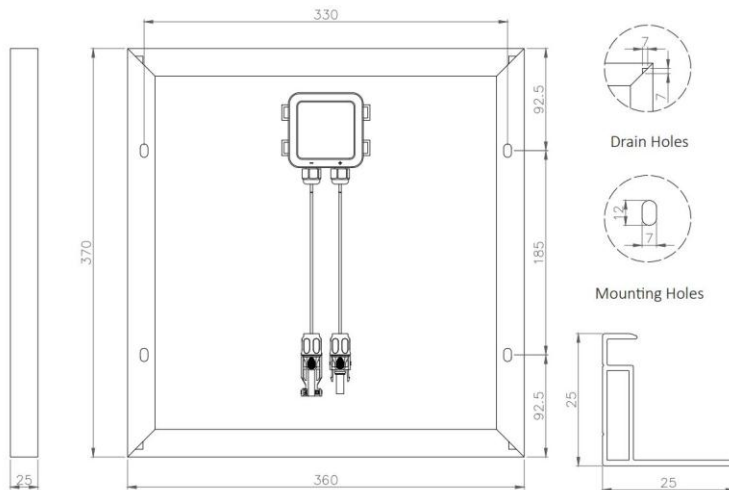
Description

The TPS-12-20W solar panels are high efficiency N-type 36 cell designs with excellent low light performance. The monocrystalline silicon solar cells are laminated with a TPT (Tedlar/Polyester/Tedlar) and EVA (Ethylene Vinyl Acetate) bi-layer for high reliability and long life. The cell array is sealed in a heavy duty extruded 6063-T5 aluminum frame with a high transparency low iron tempered glass cover to protect the solar cells from harsh environments; hail, wind, snow and ice. The solar panels are easy to mount because of the aluminum frame design.



Specifications

TPS-12-20W	
Maximum Power (0 to +3%)	20W
Voltage at Pmax (Vmp)	21.24V
Current at Pmax (Imp)	0.94A
Open Circuit Voltage (Voc)	25.56V
Short Circuit Current (Isc)	0.99A
Short Circuit I Temp Coeff	+ 0.05% / °C
Open Circuit V Temp Coeff	-0.28% / °C
Output Power Temp Coeff	-0.34%/°C
Wind Survivability	201kph (125mph)
Hailstone Survivability	1" @ 50mph
Operating Temperature	-40 to +85°C
Continuous Power Capability (6hrs average sunlight per day)	5W
Size	370 x 360 x 25mm (14.6 x 14 x 0.98")
Weight	2kg (4.4lb)
Warranty	5 Year Product / 25 Year Output

**System Ordering:****TPS-12-20W** 12V 20W Heavy Duty Monocrystalline Solar Panel**For further information contact:**

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