

## 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

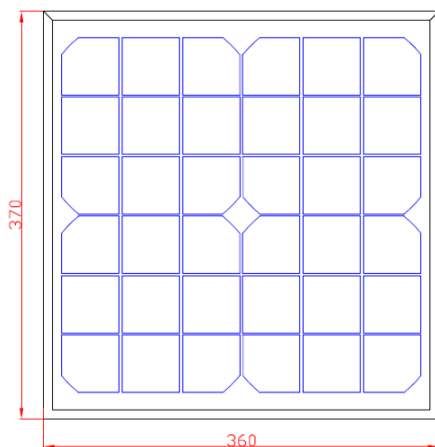


### Applications

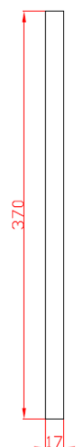
- Battery Charging Applications
- Wireless Base Stations
- Remote Sensors
- Remote Gates
- Surveillance Cameras
- Outdoor Lighting
- Backup Power Systems
- Electric Fence

### Description

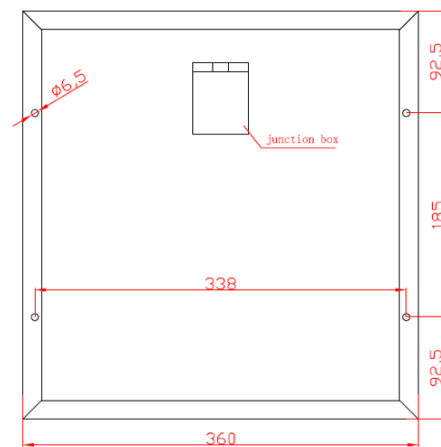
The TPS-12-15W solar panels are high efficiency 36 cell designs with excellent low light performance. The monocrystalline silicon solar cells are laminated with a TPT (Tedlar/Polyester/Tedlar) and EVA (Ethylene Vinyl Acetate) bi-layer for high reliability and long life. The cell array is sealed in a 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.



Front view



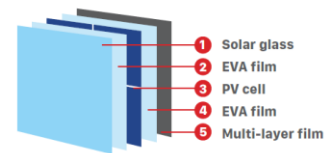
Side view



Back view

## Specifications

TPS-12-15W	
Maximum Power (0 to +3%)	15W
Voltage at Pmax (Vmp)	17.6V
Current at Pmax (Imp)	0.85A
Open Circuit Voltage (Voc)	21.6V
Short Circuit Current (Isc)	0.90A
Short Circuit I Temp Coeff	+ 0.06% / °C
Open Circuit V Temp Coeff	-0.35% / °C
Output Power Temp Coeff	-0.4%/°C
Wind Survivability	201kph (125mph)
Hailstone Survivability	1" @ 50mph
Operating Temperature	-40 to +85°C
Continuous Power Capability (6hrs average sunlight per day)	3.75W
Size	370 x 360 x 17mm (14.6 x 14 x 0.7")
Weight	1.5kg (3.3lb)
Warranty	5 Year Product / 25 Year Output



### System Ordering:

**TPS-12-15W** 12V 15W Heavy Duty Solar Panel

### For further information contact:

Tyconsystems.com

