

### Heavy Duty Solar Panels

#### Features

- Up to +3% Positive Power Output Tolerance
- 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

- Off-Grid Systems
- Surveillance Cameras
- Wireless Base Stations
- Outdoor Lighting
- On-Grid Roof Top Systems
- Pumping Applications



TPS-24-360W 72 Cell High Efficiency Mono Solar Panel

#### Description

The TPS-24-360W solar panels are high efficiency 72 cell design with excellent low light performance. The panels are perfect for almost any off-grid or on-grid application.

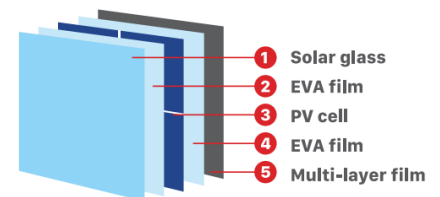
The monocrystalline silicon solar cells are laminated with a TPT (Tedlar/Polyester/Tedlar) and EVA (Ethylene Vinyl Acetate) bi-layer for high reliability and long life.

The cell array is sealed in a heavy duty extruded type 6063 alloy aluminum frame with a high transparency low iron tempered glass cover, with anti-reflective coating to enhance solar absorption, and 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. The wired connections are via a weatherproof junction box on the back of the panels and include attached 1.1 meter outdoor cables terminated with standard PV solar connectors.

#### Heavy Duty Construction:

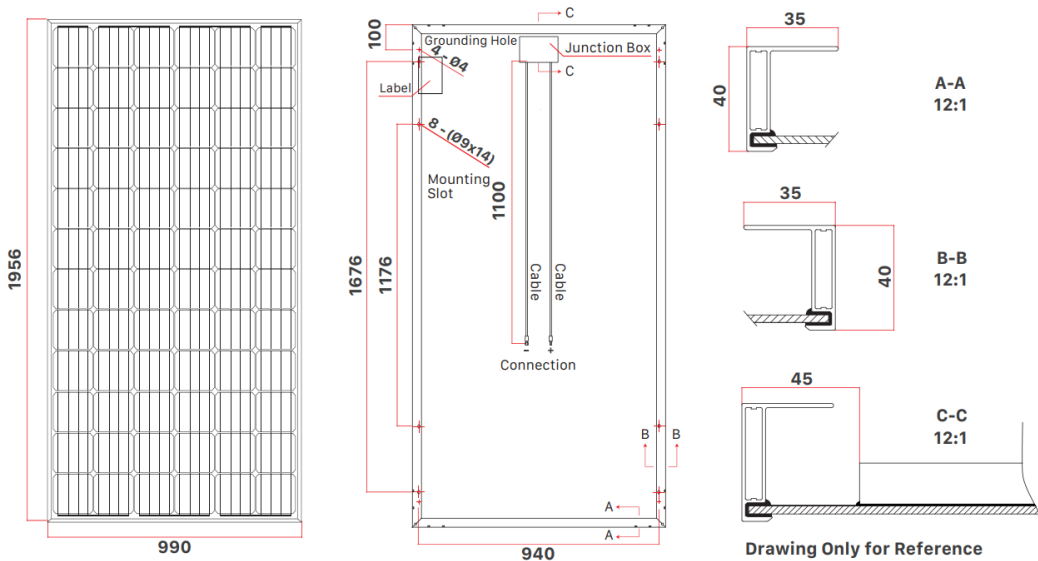
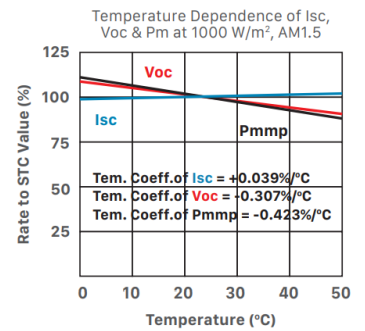
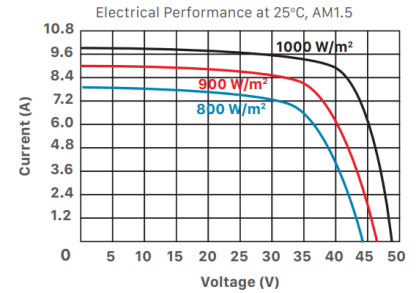
- Heavy snow load to 5400Pa which equals approximately 22inch of very heavy wet snow.
- High winds to 2400Pa which equals about 140Mph of wind velocity.



# Specifications

| TPS-24-360W                 |                                                 |
|-----------------------------|-------------------------------------------------|
| Maximum Power (+3%)         | 360W                                            |
| Voltage at Pmax (Vmp)       | 38.55V                                          |
| Current at Pmax (Imp)       | 9.34A                                           |
| Open Circuit Voltage (Voc)  | 47.73V                                          |
| Short Circuit Current (Isc) | 9.87A                                           |
| Module Efficiency           | 18.7%                                           |
| Short Circuit I Temp Coeff  | 0.039% / °C                                     |
| Open Circuit V Temp Coeff   | -0.307% / °C                                    |
| Output Power Temp Coeff     | -0.423%/°C                                      |
| Wind Survivability (2400Pa) | 225kph (140mph)                                 |
| Hailstone Survivability     | 1" @ 50mph                                      |
| Snow Loading (5400Pa)       | Up to 22" of very heavy wet snow                |
| Operating Temperature       | -40 to +85°C                                    |
| Size                        | 1956 x 990 x 40mm<br>(77 x 39 x 1.57")          |
| Weight                      | 22kg (49lb)                                     |
| Certifications              | UL1703, IEC 61701, IEC 62716, ULC/ORD-C1703:218 |
| Warranty                    | 5 Year Product / 25 Year Output                 |

## Typical Performance



## System Ordering:

**TPS-24-360W** 24V 360W Heavy Duty 72 Cell Monocrystalline High Efficiency Solar Panel

## For further information contact:

Tyconsystems.com

