

Heavy Duty Solar Panels

Features

- Up to +5WP 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
- Enclosed junction box for wired connections



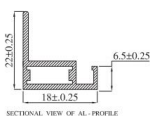
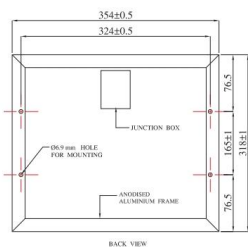
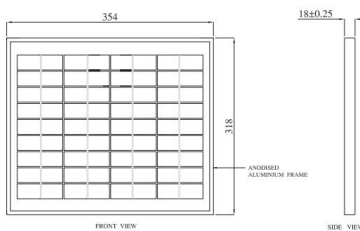
TPS-12-80W and TPS-12-30W and TPS12-10W
12V 80W, 30W and 10W Panels

Applications

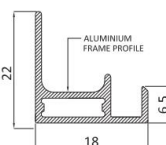
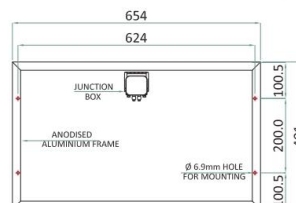
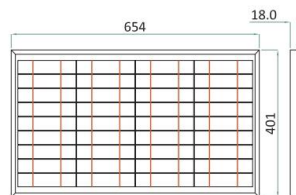
- Battery Charging Applications
- Surveillance Cameras
- Wireless Base Stations
- Outdoor Lighting
- Remote Sensors
- Backup Power Systems

Description

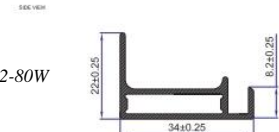
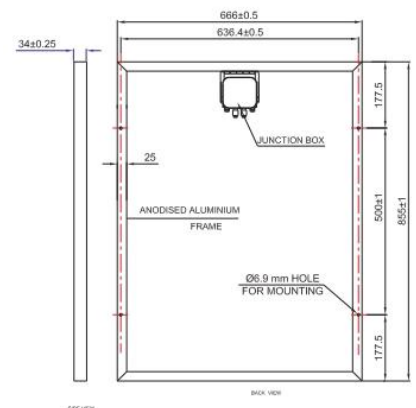
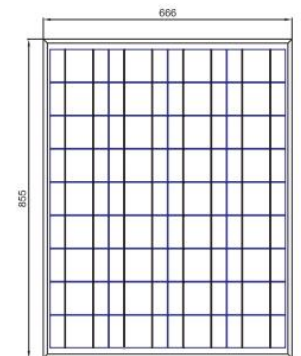
The TPS-W series solar panels are high efficiency 36 cell designs with excellent low light performance. The multicrystalline silicon solar cells are laminated with a TPT (Tedlar/Polyester/Tedlar) and EVA (Ethylene Vinyl Acetate) bi-layer for high reliability and long life. The cell array is sealed in a heavy duty extruded 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. The wired connections are via a weatherproof junction box on the back of the panels.



TPS-12-10W

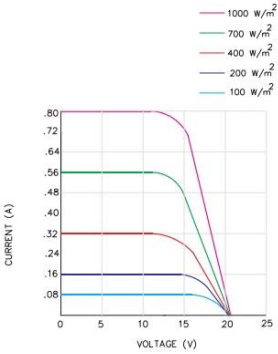
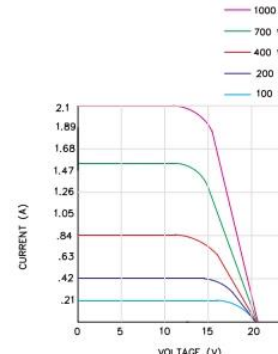
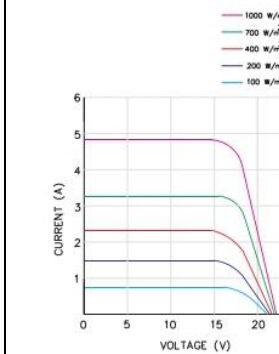


TPS-12-30W



TPS-12-80W

Specifications

	TPS-12-10W	TPS-12-30W	TPS-12-80W
Maximum Power (+/-5%)	10W	30W	80W
Voltage at Pmax (Vmp)	17.85V	17.34V	18.09V
Current at Pmax (Imp)	0.62A	1.74A	4.43A
Open Circuit Voltage (Voc)	21.95V	21.62V	22.24V
Short Circuit Current (Isc)	0.69A	1.88A	4.76A
Short Circuit I Temp Coeff	.058% / °C		
Open Circuit V Temp Coeff	-0.31% / °C		
Output Power Temp Coeff	-0.41%/°C		
Wind Survivability	201kph (125mph)		
Hailstone Survivability	1" @ 50mph		
Operating Temperature	-40 to +85°C		
Continuous Power Capability (6hrs average sunlight per day)	2.5W	8W	20W
Size	354 x 318 x 18mm (13.9 x 12.5 x 0.71")	401 x 654 x 18mm (15.8 x 25.7 x 0.71")	855 x 666 x 34mm (33.7 x 26.2 x 1.3")
Weight	1.4kg (3.1lb)	3.2kg (7.1lb)	6.8kg (15.0lb)
Warranty	5 Year Product / 25 Year Output		
IV Curves			

System Ordering:

TPS-12-10W 12V 10W Heavy Duty Solar Panel

TPS-12-30W 12V 30W Heavy Duty Solar Panel

TPS-12-80W 12V 80W Heavy Duty Solar Panel

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