



# SOLAR PANELS

390-400 Wp 72 Cell  
Mono Solar Panel

## MONO SOLAR PANELS

### PERC Solar Cells

- The mono cell with >22.6% average mass Production efficiency

### More Power Per m<sup>2</sup>

- Higher conversion efficiency  
= More Power Per Unit Area

### More Profits:

Higher conversion efficiency helps you Save:

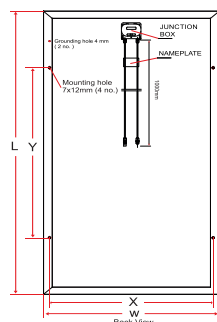
- Transportation Cost
- Installation Cost
- Structure, Wiring, etc Cost



### ELECTRICAL DATA (STC)

Model No. :	STM390-M	STM400-M
Peak Power Watts - P <sub>MAX</sub> (Wp)	390	400
Power Output Tolerance - P <sub>MAX</sub>	0 ~ +5	0 ~ +5
Maximum Power Voltage - V <sub>MPP</sub> (V)	40.60	41.30
Maximum Power Current - I <sub>MPP</sub> (A)	9.61	9.70
Open Circuit Voltage - Voc(V)	48.80	49.20
Short Circuit Current - I <sub>sc</sub> (A)	10.00	10.16
Module Efficiency $\eta_m$ (%)	20.02	20.27
<b>ELECTRICAL DATA (NOCT)</b>		
Peak Power-P <sub>MAX</sub> (Wp)	288.60	296.30
Maximum Power Voltage - V <sub>MPP</sub> (V)	37.43	38.08
Maximum Power Current - I <sub>MPP</sub> (A)	7.71	7.79
Open Circuit Voltage - Voc(V)	45.14	45.51
Short Circuit Current - I <sub>sc</sub> (A)	8.08	8.21
<b>MECHANICAL DATA</b>		
Solar Cells Per Module ( Units )	72	
Monocrystalline Solar Cells Size	5BB - 157 x 157	5BB
Length x Width x Thickness (L x W x T) mm	L = 1966 W = 991 T = 35	1986 1000 35
Mounting Holes Pitch (X)– mm	956 ± 1.5mm	968.0±1.5 mm
Mounting Holes Pitch (Y)– mm	983 ± 1.5mm	993.0±1.5 mm
Weight - Kg	17.600Kg	
Front Cover	High transmission low iron tempered AR coated Glass	
Encapsulate	EVA (Ethylene Vinyl Acetate)	
Backcover	Back Sheet (Composite film)	
Frame	Anodized Aluminium Frame hollow Profile	
J - Box	IP67 / 68 4 terminal 3 bypass diodes	
Cables	1000 mm Length	
Connector	(MC4) Amphenol	

## Engineering Drawings



#### MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000 Vdc
Max Series Fuse Rating	15A

#### TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of P <sub>MAX</sub>	-0.38%/ °C
Temperature Coefficient of Voc	-0.28%/ °C
Temperature Coefficient of I <sub>sc</sub>	0.04%/ °C

#### WARRANTY

10 year Product Workmanship Warranty  
25 year Linear Power Warranty for 80% Power  
(Please refer to product warranty for details)

\*Due to continuous improvement technical specifications & product image can change without prior notice.



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