



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 m²

- Higher conversion efficiency
=
More Power Per Unit Area

More Profits:

Higher conversion efficiency helps you Save:

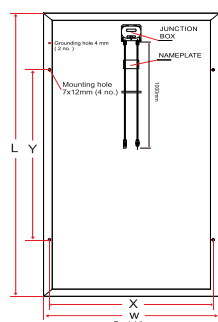
- Transportation Cost
- Installation Cost
- Structure, Wiring, etc Cost



ELECTRICAL DATA (STC)

Model No. :	STM390-M	STM400-M
Peak Power Watts - P_{MAX} (Wp)	390	400
Power Output Tolerance - P_{MAX}	0 ~ +5	0 ~ +5
Maximum Power Voltage - V_{MPP} (V)	40.60	41.30
Maximum Power Current - I_{MPP} (A)	9.61	9.70
Open Circuit Voltage - V_{oc} (V)	48.80	49.20
Short Circuit Current - I_{sc} (A)	10.00	10.16
Module Efficiency η_m (%)	20.02	20.27
ELECTRICAL DATA (NOCT)		
Peak Power - P_{MAX} (Wp)	288.60	296.30
Maximum Power Voltage - V_{MPP} (V)	37.43	38.08
Maximum Power Current - I_{MPP} (A)	7.71	7.79
Open Circuit Voltage - V_{oc} (V)	45.14	45.51
Short Circuit Current - I_{sc} (A)	8.08	8.21
MECHANICAL DATA		
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_{MAX}	-0.38%/°C
Temperature Coefficient of V_{oc}	-0.28%/°C
Temperature Coefficient of I_{sc}	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.