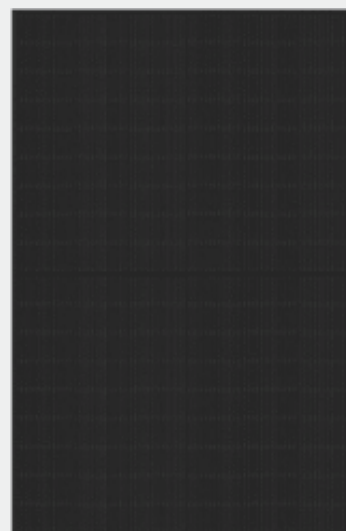


385~410 Watt

182mm 108Cells All Black PV Module

Perc Mono



MG-410TD

Key Features



High Efficiency

Leading module efficiency in industry, up to 21.5%



Excellent Appearance and Performance

Bifacial solar cell, symmetrical design, low risk of micro-crack



High Reliability

Passed 3*IEC standard test, 15 years materials warranty, 30 years power warranty



Excellent Rear Side Power Generation

Bifaciality is up to 70%, up to 25% more energy yield than conventional modules



Reduce Mismatch Loss

Half-cut cell technology provides optimized energy production under inter-row shading conditions



Extensive Application Scenes

More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region

Product and Quality Certifications

IEC 61215, IEC 61730

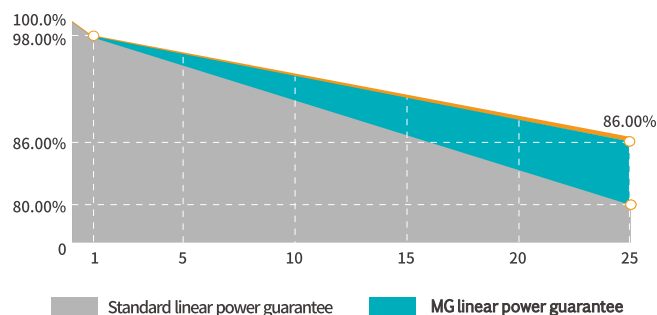
ISO 9001: Quality Management System

ISO 14001: Environment Management System

ISO 45001: Occupational Health and Safety Management System

IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test

IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



Electrical Characteristics (STC/NOCT)

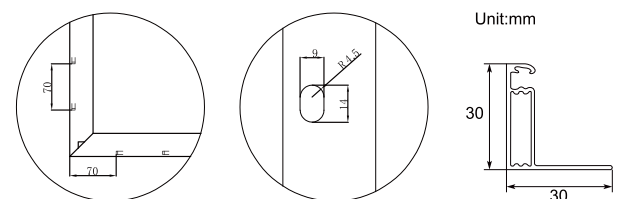
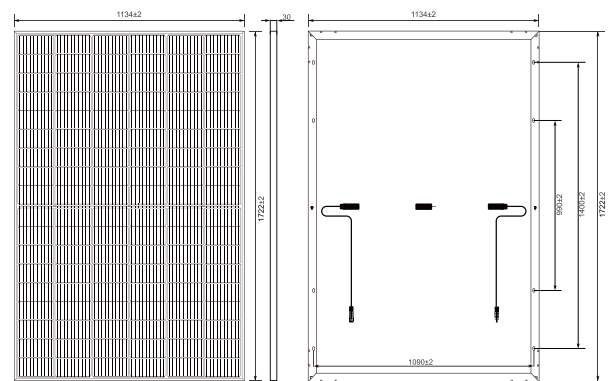
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	385	290	390	294	395	298	400	302	405	306	410	310
Open Circuit Voltage - Voc(V)	36.76	34.49	36.85	34.62	36.98	34.75	37.07	34.88	37.23	35.12	37.32	35.23
Short- Circuit Current - Isc(A)	13.53	10.82	13.61	10.89	13.70	10.96	13.79	11.03	13.87	11.10	13.95	11.16
Voltage at Pmax -Vmp(V)	30.44	28.66	30.64	28.87	30.84	29.08	31.01	29.26	31.21	29.47	31.45	29.72
Current at Pmax - Imp(A)	12.65	10.11	12.73	10.18	12.81	10.25	12.90	10.32	12.98	10.38	13.04	10.43
Module Efficiency - 5m(%)	19.8	/	20.0	/	20.2	/	20.5	/	20.8	/	21.0	/
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	21.5kg
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 1200mm (+), 1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa



All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact MogenSolar.

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/°C
Voc Temperature Coefficient	-0.275%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Current-Voltage & Power-Voltage Curves

