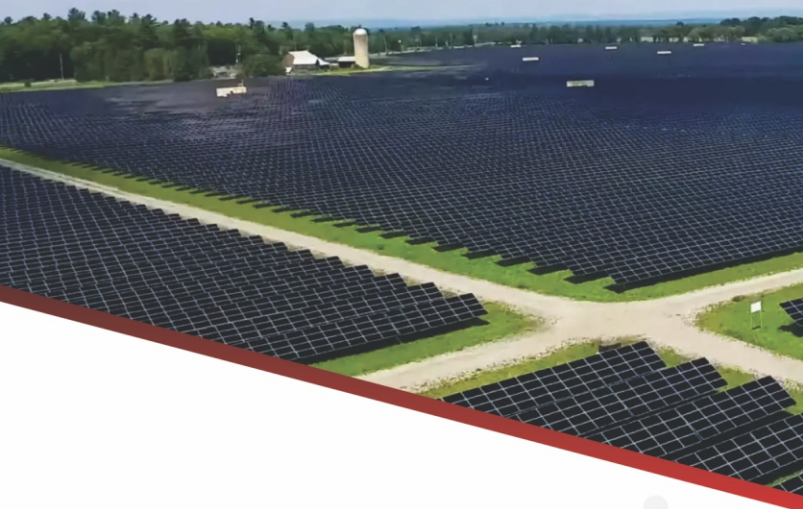


MOTOMA®

Power into the Future



580-590W

(N-type Bifacial TOPCon)

Double-Glass Mono Crystalline

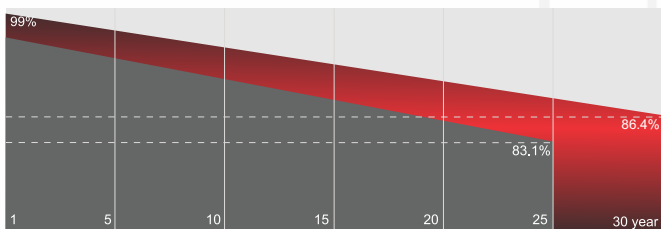
N type / 144 Half-Cut

Superior Warranty

- 12-year product warranty
- 30-year linear power output warranty

The power attenuation of the modules in the first year shall not exceed 2.0%, and the power attenuation shall not exceed 0.4% every year thereafter. At the end of the 30-year guarantee period, the power of the modules shall not be lower than 86.4% of the nominal power;

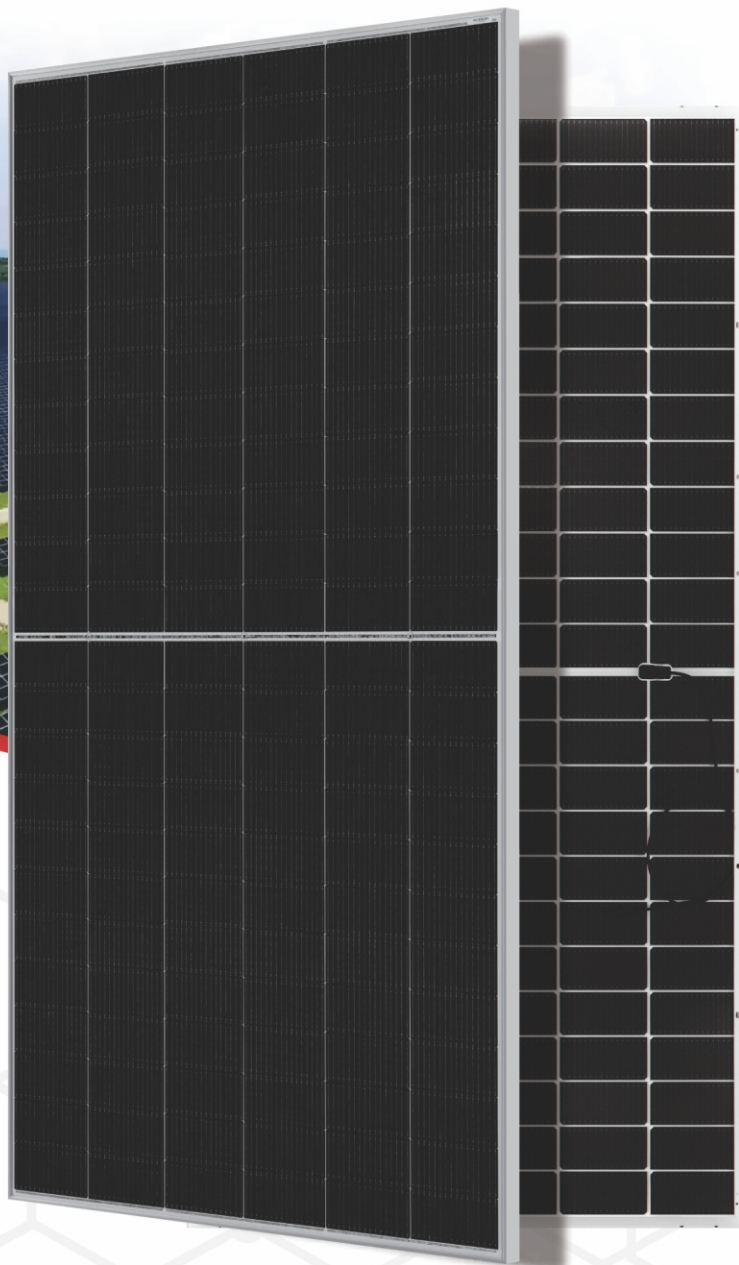
*The above power test is carried out under standard test conditions



■ N-type Bifacial Double Glass Module Linear Performance Warranty ■ Standard Module Linear Performance Warranty

Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- TUV, CE



N-type (TOPCon Technology)

With lower (LID) , "Light Induced Degradation"



Double Glass Structure (Bifacial)

Minimize (PID) effect , " Potential Induced Degradation"



Dual-Side Power Generation

Increased power generation gain



16 BB & Half Cut Cell Technology

Increased Efficiency & Reliability



Lower temperature coefficient

Increases energy yield in hot climate

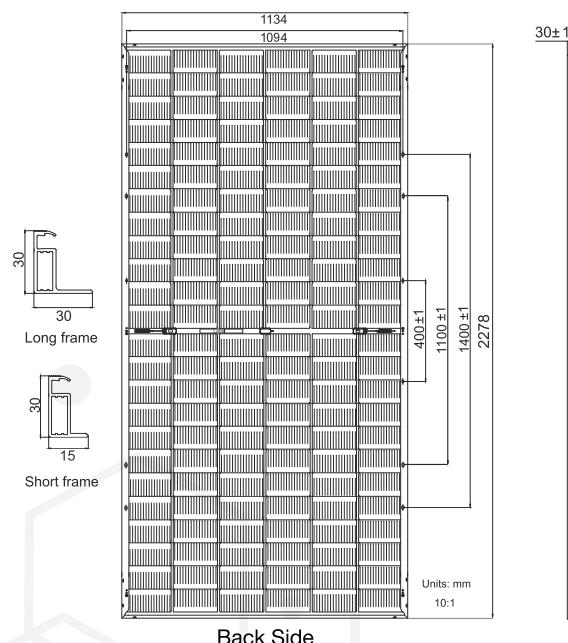


Lower power attenuation

Higher generation returns

Mechanical Specifications

Cell Type :	144 pcs (6x24(, N-type Mono - 16 BB
Dimensions :	2278×1134×30mm
Weight :	33 kg
Front Glass :	2 mm heat strengthened glass + anti-reflective coating
Rear Glass :	2 mm heat strengthened glass
Snow/Wind :	5400/2400 Pa dual
Junction Box :	3 Diodes , IP68
Connector :	Compatible MC4-EVO 2A , IP68
Cable :	Diameter 4 mm ² / Lenght 300mm+/-5mm or Customized Length



Electrical Specifications

Max Power - Pmax [0+~6W] (W)	580	585	590
Max Power Voltage - Vmp (V)	42.61	42.77	42.93
Max Power Current - Imp (A)	13.62	13.68	13.75
Open Circuit Voltage - Voc [±3%] (V)	51.47	51.68	51.89
Short Circuit Current - Isc [±3%] (A)	14.37	14.43	14.49
Module Efficiency (%)	22.45	22.64	22.83
Bifacial Gain 10 % (W)	638	644	649
Bifacial Gain 20 % (W)	696	702	708
Bifacial Gain 30 % (W)	754	761	767
Max System Voltage (V)	1500	1500	1500
Max Series Fuse (A)	25	25	25

Temperature Parameter

Temperature Cycling Range:	-40°C ~ +85°C
Norminal Module Operating Temp:	45±2 °C
Temperature Coefficient of Isc:	0.050% / °C
Temperature Coefficient of Voc :	- 0.284% / °C
Temperature Coefficient of Pmax :	- 0.350% / °C

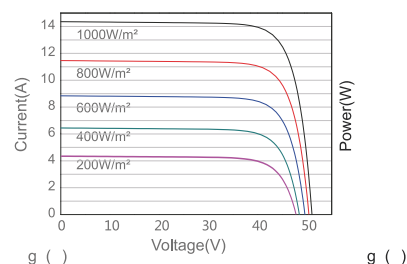
Packaging Configuration

Pieces per pallet : 36 pcs (Pallet : 2310x1140x1257 mm)

Pieces per Container 40' HQ : 720 pcs

Electrical Performance

Current-Voltage Curve



Guarantee

12-year warranty on materials & workmanship

30-year linear power output warranty