

MOTOMA®

Power into the Future



605-630W

(N-type Bifacial TOPCon)

Double-Glass Mono Crystalline

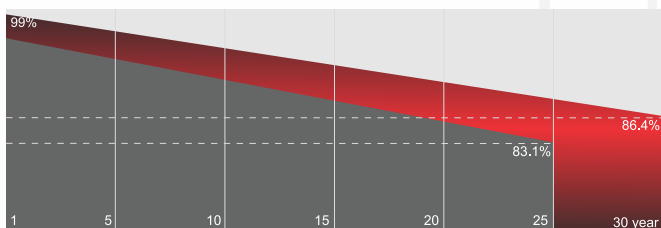
N type / 132 Half-Cut

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;

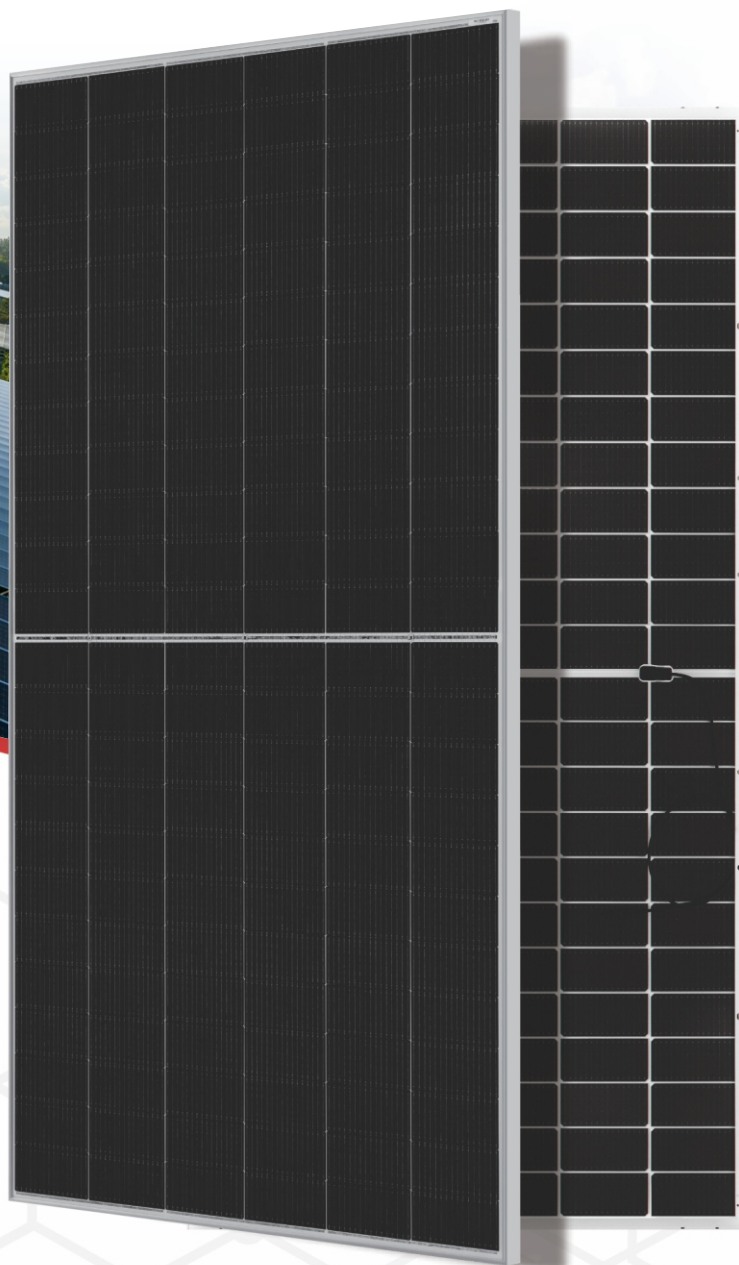
*The above power test is carried out under standard test conditions



■ 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

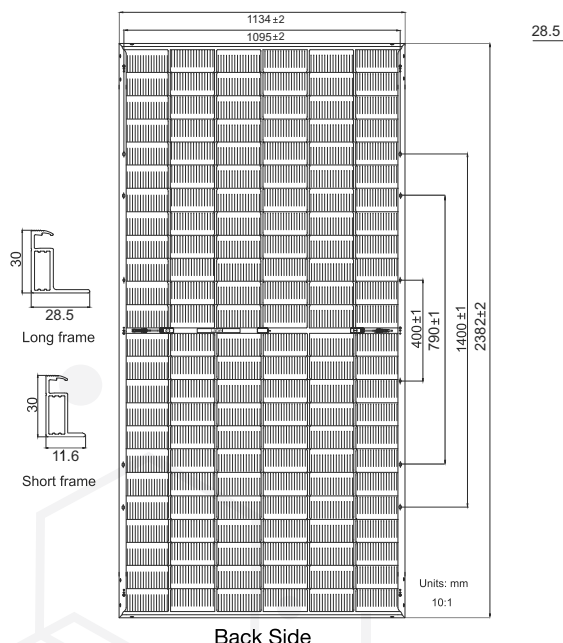


Lower power attenuation

Higher generation returns

Mechanical Specifications

Cell Type :	132 pcs (2x66) , N-type Mono - 16 BB
Dimensions :	2382x1134x30mm
Weight :	32.4 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+~5W] (W)	605	610	615	620	625	630
Max Power Voltage - Vmp (V)	40.31	40.46	40.60	40.74	40.88	41.02
Max Power Current - Imp (A)	15.01	15.08	15.15	15.22	15.29	15.36
Open Circuit Voltage - Voc [±3%] (V)	48.48	48.68	48.88	49.08	49.28	49.48
Short Circuit Current - Isc [±3%] (A)	15.90	15.96	16.02	16.08	16.14	16.20
Module Efficiency (%)	22.40	22.58	22.77	22.95	23.14	23.32
Bifacial Gain 10 % (W)	665	671	676	682	687	693
Bifacial Gain 20 % (W)	726	732	738	744	750	756
Bifacial Gain 30 % (W)	786	793	799	806	812	819
Max System Voltage (V)	1500	1500	1500	1500	1500	1500
Max Series Fuse (A)	35	35	35	35	35	35

Temperature Parameter

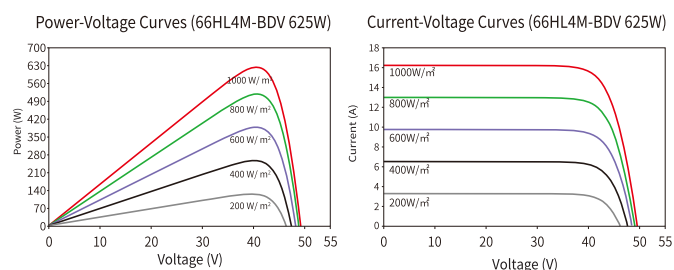
Temperature Cycling Range:	-40°C ~ +85°C
Norminal Module Operating Temp:	45±2 °C
Temperature Coefficient of Isc:	0.045 % / °C
Temperature Coefficient of Voc :	-0.25 % / °C
Temperature Coefficient of Pmax :	-0.29 % / °C

Packaging Configuration

Pieces per pallet : 36 pcs (Pallet : 2396x1110x1251mm)

Pieces per Container 40' HQ : 720 pcs

Electrical Performance



Guarantee

12-year warranty on materials & workmanship

30-year linear power output warranty