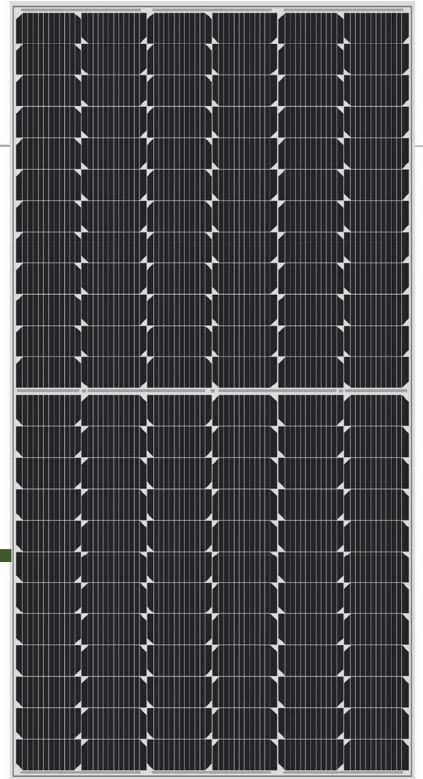


MONO

# M10 HALF CELL MONO

## 530W-550W



### 144 CELL

MBB MONO PERC

### 530W-550W

POWER OUTPUT RANGE

### 21.3%

MAXIMUM EFFICIENCY

### 0 to +5W

POSITIVE POWER TOLERANCE

#### CERTIFICATION



#### Ideal for large scale installations

- High power footprint reduces installation time & BOS costs



#### One of the industry's most trusted modules

- Field proven performance



#### Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant

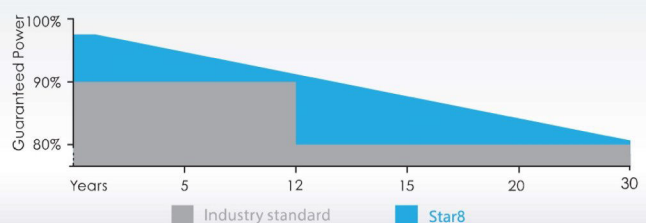


#### Certified to withstand challenging environmental conditions

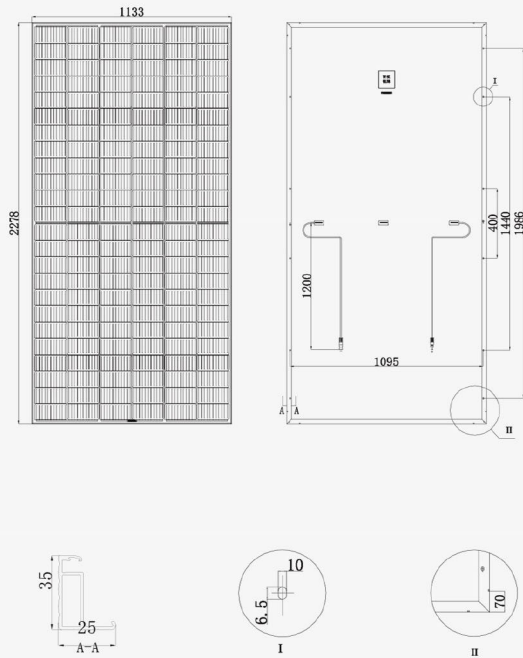
- 2400 Pa wind load
- 5400 Pa snow load
- 25 mm hail stones at 82 km/h

#### LINEAR PERFORMANCE WARRANTY

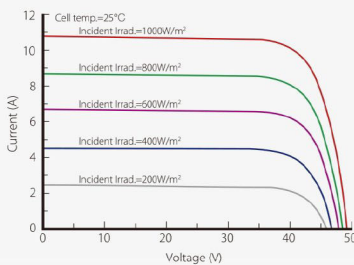
12 Year Product Warranty • 30 Year Linear Power Warranty



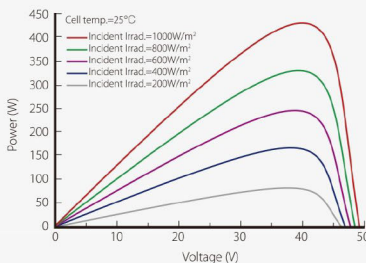
## DIMENSIONS OF PV MODULE



## I-V CURVES OF PV MODULE



## P-V CURVES OF PV MODULE



## ELECTRICAL DATA @STC

	PW-72M530HM	PW-72M535HM	PW-72M540HM	PW-72M545HM	PW-72M550HM
Peak Power Watts-P <sub>MAX</sub> (Wp)	530	535	540	545	550
Power Output Tolerance-P <sub>MAX</sub> (W)	0+5	0+5	0+5	0+5	0+5
Maximum Power Voltage-V <sub>MPP</sub> (V)	40.47	40.6	40.73	40.86	40.99
Maximum Power Current-I <sub>MPP</sub>	13.1	13.18	13.26	13.34	13.42
Open Circuit Voltage-V <sub>OC</sub> (V)	49.02	49.18	49.34	49.5	49.65
Short Circuit Current-I <sub>SC</sub> (A)	13.79	13.87	13.96	14.04	14.13
Module Efficiency η <sub>m</sub> (%)	20.5	20.7	20.9	21.1	21.3

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
Average efficiency reduction of 4.5% at 200 W/m<sup>2</sup> according to EN 60904-1.

## ELECTRICAL DATA @ NOCT

	PW-72M530HM	PW-72M535HM	PW-72M540HM	PW-72M545HM	PW-72M550HM
Maximum Power-P <sub>MAX</sub> (Wp)	394.44	398.16	401.88	405.61	409.33
Maximum Power Voltage-V <sub>MPP</sub> (V)	37.65	37.77	37.89	38.02	38.14
Maximum Power Current-I <sub>MPP</sub> (A)	10.48	10.54	10.6	10.67	10.73
Open Circuit Voltage-V <sub>OC</sub> (V)	46.27	46.43	46.58	46.73	46.87
Short Circuit Current-I <sub>SC</sub> (A)	11.14	11.2	11.27	11.34	11.41

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

## MECHANICAL DATA

Solar Cells	MBB Mono PERC 182 x 91mm
Cell Orientation	144 cells(6 x 24)
Module Dimensions	2278x 1133 x 35 mm
Weight	28kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 3.2mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 68 rated
Cables	Photovoltaic Technology cable 4.0mm <sup>2</sup> , 1200mm
Connector	EVO2 or EVO2 Compatible

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of P <sub>MAX</sub>	-0.348%/°C
Temperature Coefficient of V <sub>OC</sub>	-0.282%/°C
Temperature Coefficient of I <sub>SC</sub>	+0.05%/°C

## MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Mechanical Load	5400pa
Wind Load	2400pa

## PACKING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 600 pieces

## WARRANTY

12 year workmanship warranty
30 year linear performance warranty
(Please refer to product warranty for details)