

**Mono Perc**  
**500-550 w**



**M101 182mm Cell.**  
**144 Half-Cell layout**

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**Higher Efficiency**  
The highest efficiency of the series is up to 21.3%
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**High Reliability**  
Superior craftsmanship, engineering excellence, and attention to the finest detail ensure longevity and optimal performance.
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**High Return on Investment**  
0.45% annual degradation, 25 year linear warranty, more output. Higher maximum system voltage reduces BOS costs.
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**Extremely Environmental Testing**  
Remain peak performance in extreme environments. Class A fireproofing rating.
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**Strength and Durability**  
Certified for 5400Pa snow and 3600Pa loads test. Passed hail test with 35mm hail stones at 97 km/h.
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**PID Free**  
Certified for Anti-PID under 85 degrees Celsius, 85% RH for 288 hours.

**Quality System**

ISO 9001 / ISO14001

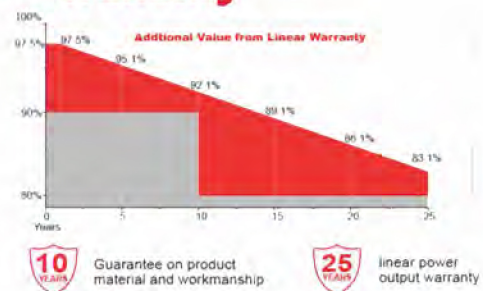
**Product Certification**



**Insurance**

**PICC**

**Warranty**



## Electrical Characteristics

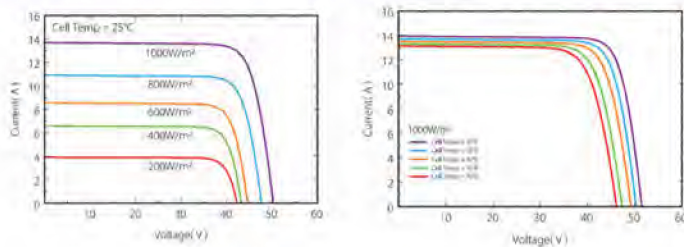
Maximum Power at STC	Pmax	<b>550 W</b>
Open Circuit Voltage	Voc	<b>49.80 V</b>
Optimum Operating Voltage	Vmp	<b>41.28 V</b>
Short Circuit Current	Isc	<b>14.01 A</b>
Optimum Operating Current	Imp	<b>13.32 A</b>
Power Tolerance	%	<b>0 - 5</b>
Fuse Current		<b>25 A</b>
Efficiency	%	<b>21.3</b>

Operating Temperature -40~+85 °C

Nominal Operating Cell Temperature 45 ± 2 °C

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5  
NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20°C wind speed 1m/s  
Power measurement tolerance: +/-3%

## I - V Curve



## Temperature Characteristics

Temperature (NOCT) [°C]	45±2
Temp. coefficient of Pmax [%/°C]	-0.350
Temp. coefficient of Voc [V/°C]	-0.270
Temp. coefficient of Isc [mA/°C]	0.048

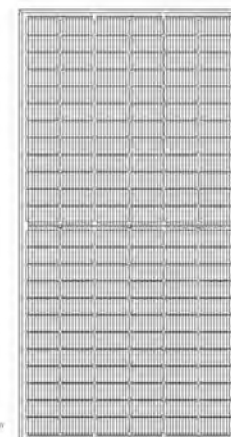
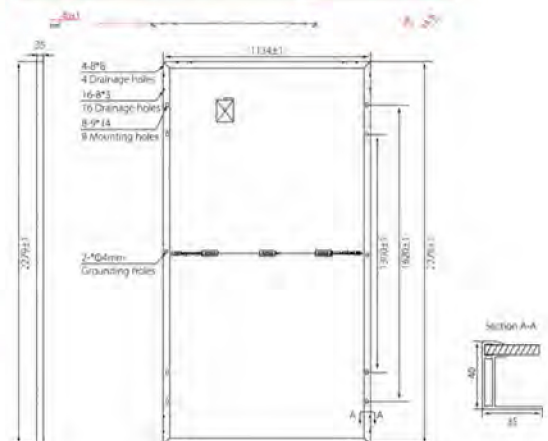
## Mechanical Data

Dimension	2279x1134x35mm
Weight	27.2Kg
Solar cell	Mono-crystalline 144 (6 x 24)
Glass	3,2mm, Anti-Reflection, Low Tempered Glass
Frame	Silver Anodized Aluminium Alloy
Junction Box	IP 68, three diodes
Cable	4mm <sup>2</sup> , 350mm, length can be customized
Connector	MC4 Compatible

## Warranty

- 12 years product warranty
- 12 years warranty on 90% power output
- 25 years warranty on 80% power output

## Technical Drawing



\*A4 (Dimensions in mm)  
\*The dimensions are for reference

