



## ExSM-M MONOCRYSTALLINE SOLAR MODULE Tier 1 Product



High Efficiency



Low Degradation



High Reliability



Low Risk of Hot Spot



High ROI



Low Risk of Micro-Crack



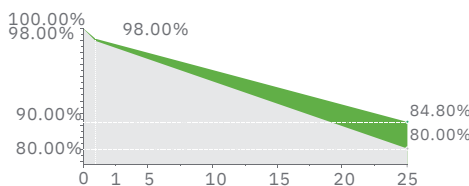
**Enquire Today-Arriving Soon!**

### LINEAR PERFORMANCE WARRANTY

Linear power guarantee of Noark Solar modules

Standard linear power guarantee

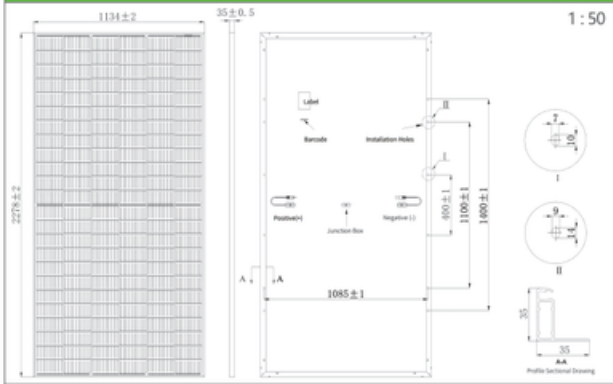
12 YEARS Product warranty



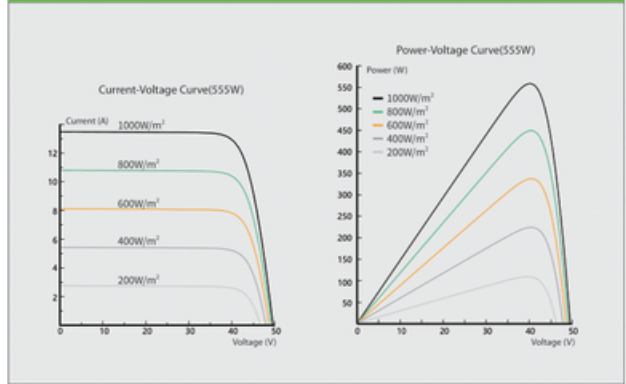
25 YEARS Linear power warranty

0.55% Linear attenuation of 0.55% per year within 25 years

### Mechanical drawings (mm)



### I-V Curve



### Electrical Data (STC)

Maximum Power (Pmax/W)	550
Open Circuit Voltage (Voc/V)	49.83
Short Circuit Current (Isc/A)	13.80
Voltage at Maximum Power (Vmp/V)	41.31
Current at Maximum Power (Imp/A)	13.32
Module Efficiency (%)	21.29
Operating Temperature	-40° C ~ +85° C
Maximum System Voltage	1000/1500V

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

### Electrical Data (NMOT)

Maximum Power (Pmax/W)	412
Open Circuit Voltage (Voc/V)	45.85
Short Circuit Current (Isc/A)	11.53
Voltage at Maximum Power (Vmp/V)	38.05
Current at Maximum Power (Imp/A)	10.83

NMOT (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

### Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	144(6×24)
Module Dimensions	2278×1134×35mm
Weight	28.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm <sup>2</sup> positive pole: 200 mm negative pole: 250 mm wire length can be customized
Connector	MC4 compatible connector

### Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41 ± 3°C

### Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	620pcs	31pcs +31pcs

For more information about our products, please contact:

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# METRACLARK

Refrigeration & Air-Conditioning Wholesale