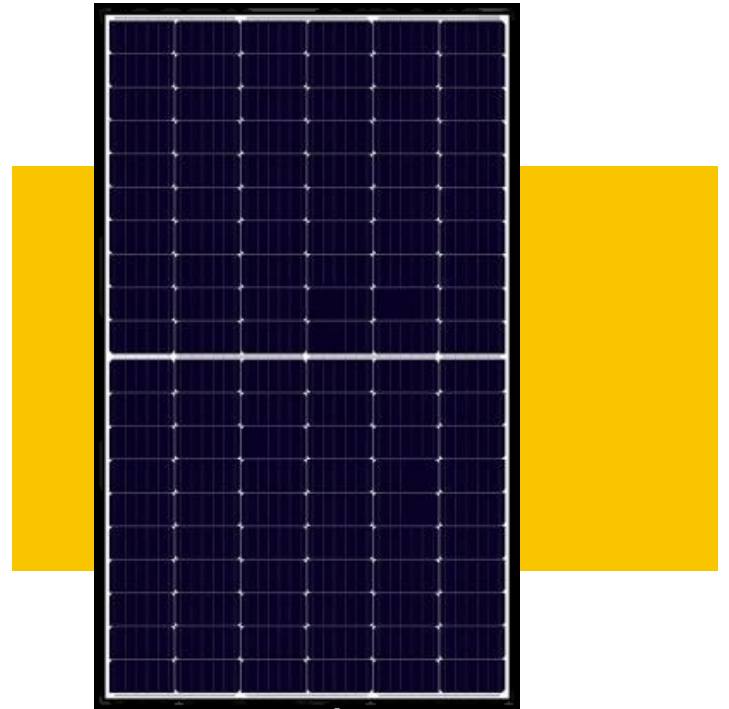









# MSMDxxxM6-60 166 M6 cells half cut

## 360W - 380W



### KEY FEATURES

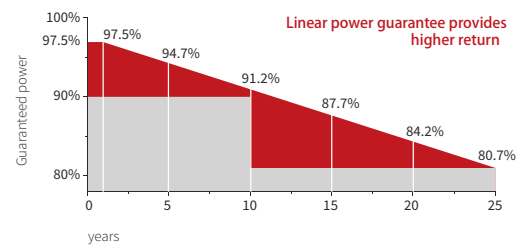
-  Class A fire resistant (possible on request)
-  Outstanding performance in low-light conditions
-  Low temperature coefficient (Pmax):  $-0.35\% / ^\circ\text{C}$
- +5W** 0~+5W positive tolerance - to assure high output
-  Lower internal current, lower hot spot temperature
-  Cell crack risk limited in small region, enhance the module reliability
- PID FREE** Excellent anti-PID module design, TÜV SÜD certified
-  Certified to withstand high wind loads (3600pa) and snow loads (8000pa)
-  Salt mist and ammonia corrosion resistant

### PRODUCT CERTIFICATES



### WARRANTY

- Our linear power guarantee
- Standard linear power guarantee



**15**  
years

Enhanced product guarantee on product and workmanship

**25**  
years

Linear power output warranty

# MSMDxxxM6-60

## ELECTRICAL CHARACTERISTICS

| STC                             | 360              | 365     | 370     | 375     | 380     |
|---------------------------------|------------------|---------|---------|---------|---------|
| Maximum Power at STC (Pmax)     | 360 W            | 365 W   | 370 W   | 375 W   | 380 W   |
| Optimum Operating Voltage (Vmp) | 33.9 V           | 34.1 V  | 34.3 V  | 34.5 V  | 34.7 V  |
| Optimum Operating Current (Imp) | 10.62 A          | 10.71 A | 10.79 A | 10.86 A | 10.95 A |
| Open Circuit Voltage (Voc)      | 40.5 V           | 40.7 V  | 40.9 V  | 41.2 V  | 41.4 V  |
| Short Circuit Current (Isc)     | 11.35 A          | 11.42 A | 11.49 A | 11.56 A | 11.63 A |
| Module Efficiency               | 19.73%           | 20.02%  | 20.28%  | 20.55%  | 20.83%  |
| Operating Module Temperature    | -40 °C to +85 °C |         |         |         |         |
| Maximum System Voltage          | 1500 V DC (IEC)  |         |         |         |         |
| Maximum Series Fuse Rating      | 20 A             |         |         |         |         |
| Power Tolerance                 | 0/+5W            |         |         |         |         |

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%.

| NMOT                            | 360     | 365     | 370     | 375     | 380     |
|---------------------------------|---------|---------|---------|---------|---------|
| Maximum Power at NMOT (Pmax)    | 270.7 W | 274.3 W | 278.2 W | 282.1 W | 286.5 W |
| Optimum Operating Voltage (Vmp) | 31.6 V  | 31.8 V  | 32.0 V  | 32.2 V  | 32.4 V  |
| Optimum Operating Current (Imp) | 8.56 A  | 8.63 A  | 8.69 A  | 8.76 A  | 8.84 A  |
| Open Circuit Voltage (Voc)      | 38.4 V  | 38.5 V  | 38.7 V  | 38.9 V  | 39.1 V  |
| Short Circuit Current (Isc)     | 9.04 A  | 9.10 A  | 9.17 A  | 9.24 A  | 9.31 A  |

NMOT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.

## TEMPERATURE CHARACTERISTICS

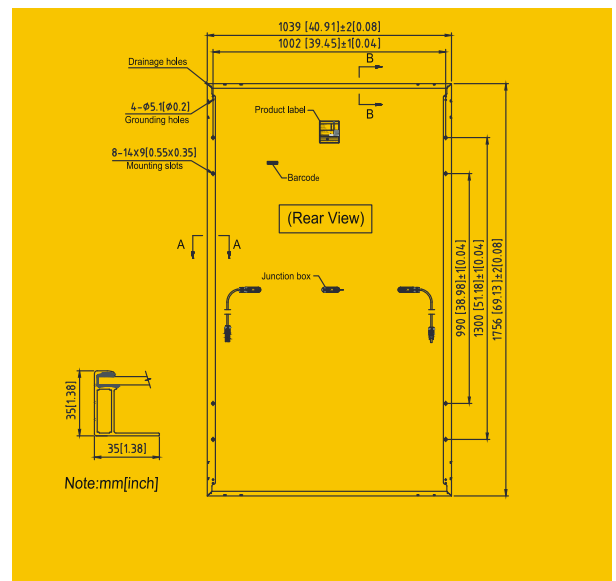
|   |             |
|---|-------------|
| Nominal Module Operating Temperature (NMOT) | 42±2°C      |
| Temperature Coefficient of Pmax             | -0.35 %/°C  |
| Temperature Coefficient of Voc              | -0.304 %/°C |
| Temperature Coefficient of Isc              | 0.050 %/°C  |

## MECHANICAL CHARACTERISTICS

|               |   |
|---------------|---|
| Solar Cell    | Monocrystalline silicon 166 mm (9BB)                                  |
| No. of Cells  | 120 (6 × 20)  |
| Dimensions    | 1756 x 1039 x 35 mm   |
| Weight        | 19.8 kgs  |
| Front Glass   | 3.2 mm  |
| Frame         | Anodized aluminium alloy  |
| Junction Box  | IP68 rated (3 bypass diodes)  |
| Output Cables | 4.0 mm <sup>2</sup> , symmetrical lengths (-) 1200 mm and (+) 1200 mm |

## PACKING CONFIGURATION

| Container             | 20' GP | 40' HC |
|-----------------------|--------|--------|
| Pieces per pallet     | 31+24  | 31+2   |
| Pallets per container | 6      | 26     |
| Pieces per container  | 330    | 858    |



## Current-Voltage & Power-Voltage Curve (370S)

