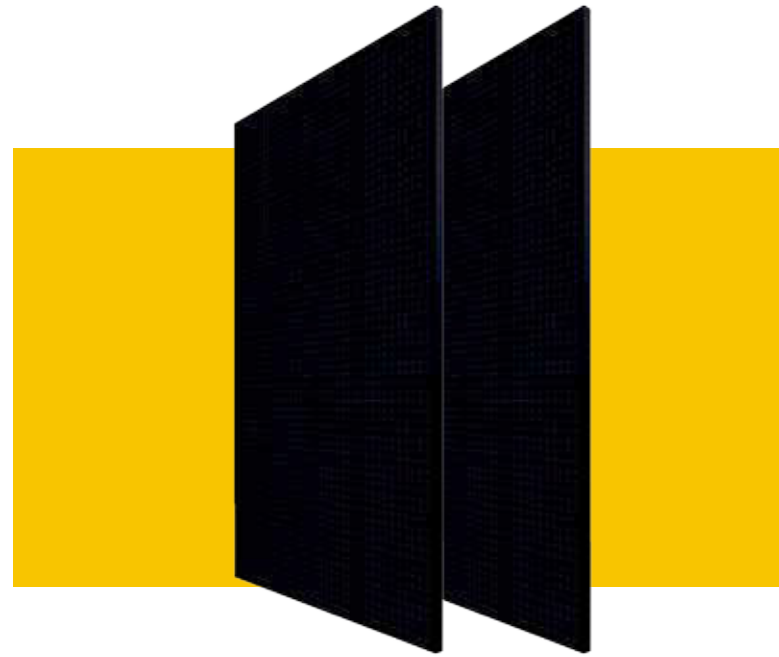


# MSMDxxxM6-66 166 M6 MWT cells half cut

## 390W-410W



### KEY FEATURES



**Full Black**  
All black design for more elegant applications



**Innovative Layout**  
Innovative back contact module layout with asymmetric design for higher efficiency power



**High ROI**  
Single-glass modules with global 30-year performance warranty bring higher return on investment



**High Efficiency**  
Busbar-free design increases cell conversion efficiency, more output can be achieved at low irradiance conditions



**High Reliability**  
Conductive back sheet's 2D encapsulation avoids welding stress and micro crack, resulting lower degradation under multiple harsh testing conditions



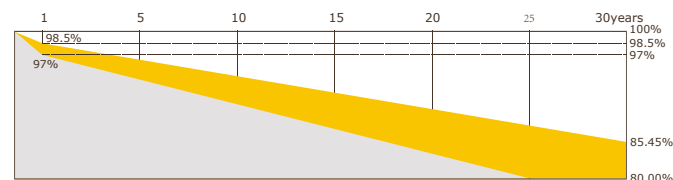
**Lead Free**  
Eco-friendly PV design achieves lead-free MWT module without soldering materials

### PRODUCT CERTIFICATES



### WARRANTY

- Our linear power guarantee
- Standard linear power guarantee



※1st year degradation less than 1.5%, 30 years linear power output 85.45% guaranteed.



Enhanced product guarantee on product and workmanship



Linear power output warranty

# MSMDxxxM6-66

## ELECTRICAL CHARACTERISTICS

STC	390	395	400	405	410
Maximum Power at STC (Pmax)	390W	395W	400W	405W	410W
Optimum Operating Voltage (Vmp)	36.7V	36.9V	37.1V	37.3V	37.6V
Optimum Operating Current (Imp)	10.63A	10.73A	10.79A	10.86A	10.90A
Open Circuit Voltage (Voc)	44.5V	44.7V	44.9V	45.1V	45.8V
Short Circuit Current (Isc)	11.14A	11.21A	11.28A	11.35A	11.41A
Module Efficiency	19.9%	20.2%	20.5%	20.7%	21.0%
Operating Module Temperature	-40°C to +85°C				
Maximum System Voltage	1500 V DC (IEC)				
Maximum Series Fuse Rating	20A				
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 +/- 3%

NMOT	390	395	400	405	410
Maximum Power at NMOT (Pmax)	292W	296W	300W	305W	306W
Optimum Operating Voltage (Vmp)	34.4V	34.6V	34.8V	35.0V	35.4V
Optimum Operating Current (Imp)	8.49A	8.56A	8.63A	8.71A	8.64A
Open Circuit Voltage (Voc)	41.6V	41.8V	42.0V	42.2V	42.7V
Short Circuit Current (Isc)	9.00A	9.06A	9.12A	9.18A </td <td>9.25A</td>	9.25A

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

## TEMPERATURE CHARACTERISTICS

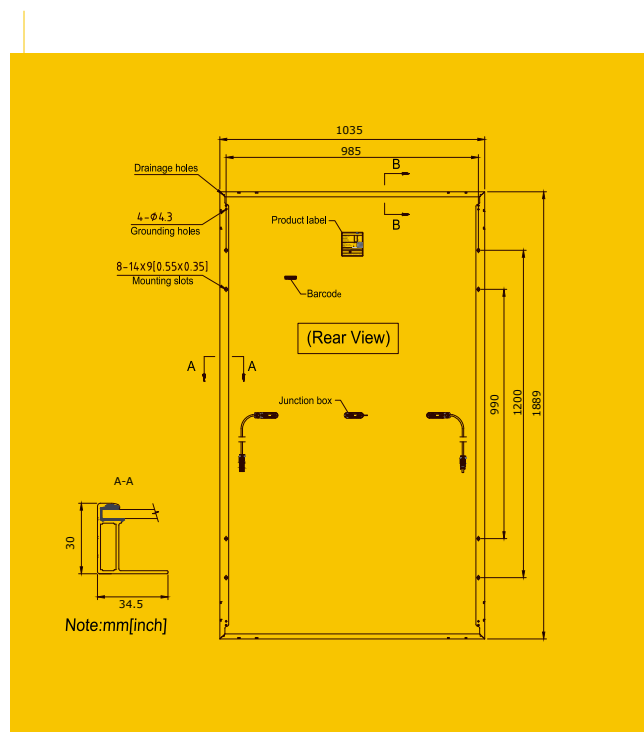
Nominal Module Operating Temperature (NMOT)	43±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.06 %/°C

## MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon 166 mm
No. of Cells	132 (6 × 22)
Dimensions	1889 × 1035 × 30 mm
Weight	20.5 kg
Front Glass	High Transmittance AR Coated Tempered Glass/3.2mm
Frame	Anodized aluminium alloy/Black
Junction Box	IP68
Output Cables	4.0 mm <sup>2</sup> , cable length 350mm or customized length

## PACKING CONFIGURATION

Container	40' HC
Pieces per pallet	36+36+4
Pallets per container	12
Pieces per container	912



Current-Voltage & Power-Voltage Curve (395)

