

MMXG12R132N 610-635

- ✓ **Utility-grade** module for **maximum lifecycle output**
- ✓ **AR glass** for higher efficiency
- ✓ **0.45%** low degradation
- ✓ High **bifaciality** for higher yield

12

Years warranty
for **Materials
& Processing**

30

Years warranty
for **Linear Power
Output**

**SMART ENERGY,
SMARTER FUTURE.**

 **micromax** | SOLAR

Electrical Data (STC)	Peak Power Watts-PMAX(Wp)*	MMXG12R132N 610	MMXG12R132N 615	MMXG12R132N 620	MMXG12R132N 625	MMXG12R132N 630	MMXG12R132N 635
	Power Selection(W)**	0~+5					
	Max Power Voltage-VMPP(V)	40.20	40.40	40.60	40.80	41.00	41.20
	Max Power Current-IMPP(A)	15.17	15.22	15.27	15.32	15.37	15.42
	Open Circuit Voltage-VOC(V)	46.95	47.15	47.34	47.53	47.72	47.92
	Short Circuit Current-ISC(A)	15.70	15.75	15.80	15.86	15.91	15.96
	Module Efficiency η (%)	22.8	22.9	23.0	23.1	23.3	23.5

STC: Irradiance1000W/m², Cell Temperature 25°C, AirMassAM1.5. *Measuring tolerance: $\pm 3\%$. **Power selection up to: +3%.

Electrical Data(OUT)		MMXG12R132N 610	MMXG12R132N 615	MMXG12R132N 620	MMXG12R132N 625	MMXG12R132N 630	MMXG12R132N 635
	Peak Power Watts-PMAX(Wp)*	610	615	620	625	630	635
	Max Power Voltage-VMPP(V)	38.2	38.5	38.8	39.1	39.4	39.7
	Max Power Current-IMPP(A)	12.18	12.19	12.20	12.21	12.22	12.23
	Open Circuit Voltage-VOC(V)	46.5	46.8	47.1	47.4	47.7	48.0
	Short Circuit Current-ISC(A)	12.80	12.81	12.82	12.83	12.84	12.85

NOCT: Irradiance at 800W/m², Ambient Temperature20°C, Wind Speed1m/s.

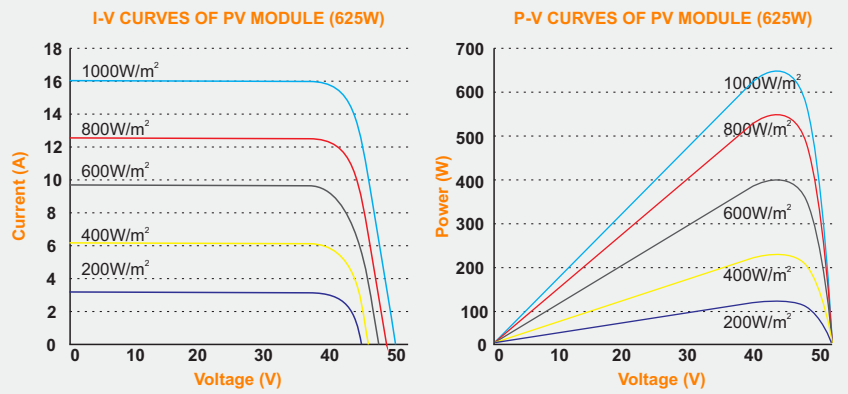
TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	45°C ($\pm 2^\circ\text{C}$)
Temperature Coefficient of PMAX	-(0.33 \pm 0.02) %/k
Temperature Coefficient of VOC	-(0.27 \pm 0.02) %/k
Temperature Coefficient of ISC	+(0.045 \pm 0.015) %/k

APPLICATION CONDITIONS

Operating Temperature	-40~+70 \square
Maximum System Voltage	1500VDC(IEC)
Max Series Fuse Rating	30A

TEMPERATURE RATINGS



MECHANICAL DATA

Solar Cells	Mono crystalline Bifacial Topcon
No. of Cells	132cells
Dimensions	2384×1134×30mm
Weight	32.5 kg
Front Glass	2.0mm (HTAR Coating Strengthened Glass)
Back Glass	2.0mm (Iron Textured Glass)
Frame	30mm (Anodized Aluminum Alloy)
J-Box	Ip68 Rated
Cables	Photovoltaic Technology, Cable4.0mm ² Type: 62930 IEC 131, 1500V DC Length can be customized
Connector	FC-4-4, 1500V 41A
Packaging	Modules per box:36pieces

