

KEY FEATURES



PID RESISTANT



High Power Output



High transmission, low Iron
Tempered Glass



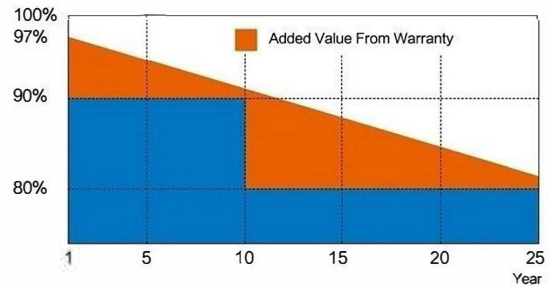
Bypass Diodes Protection



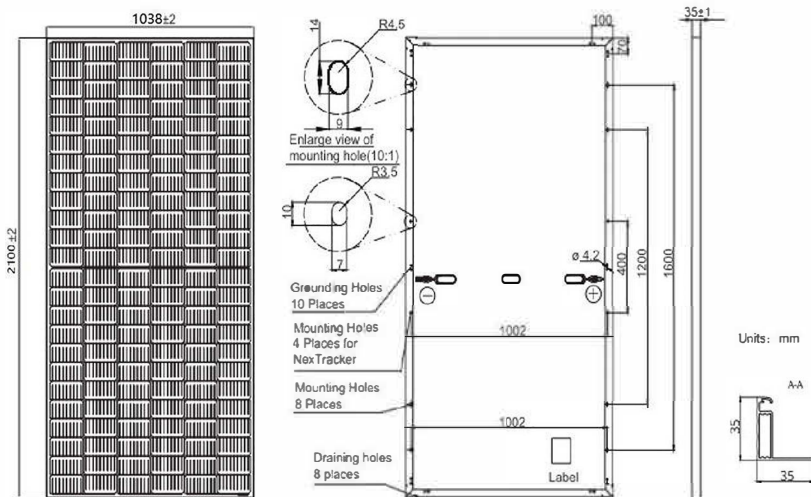
Salt Mist And Ammonia Resistance Test

Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



DIMENSIONS



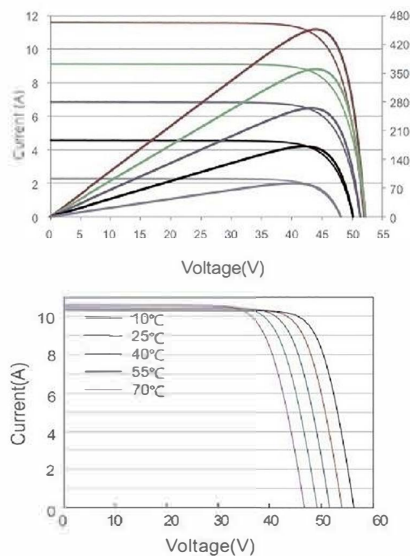
MECHANICAL CHARACTERISTICS

Frame Material	Anodized Aluminium Alloy
Front Glass	Tempered Glass
Back Cover	TPT(Composite film)
Cell Encapsulant	EVA
Junction box	IP67, 3 diodes
Cables	4mm ²
Connector	MC4
Max wind load	2400Pa
Max snow load	5400Pa

TEMPERATURE COEFFICIENT

NOCT	47°C (±2°C)
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.272%/°C
Temperature Coefficient of Isc	0.044%/°C
Operating Temperature	-40°C ~ +85°C

I-V CURVES



ELECTRONICAL CHARACTERISTICS

Module Type	OS-HM72-445	OS-HM72-450	OS-HM72-455
Maximum Power(Pmax)	445W	450W	455W
Maximum Power Voltage(Vmp)	41.21	41.52	41.82
Maximum Power Current(Imp)	10.80A	10.84A	10.88A
Open Circuit Voltage(Voc)	49.56	49.70	49.85
Short Circuit Current(Isc)	11.32A	11.36A	11.41A
Number of Cells	144(6*24)	144(6*24)	144(6*24)
Size of Cells(mm)	166*83	166*83	166*83
Dimensions(mm)	2100*1038*35	2100*1038*35	2100*1038*35
Power Tolerance	±3%		
Maximum System Voltage	1500VDC		