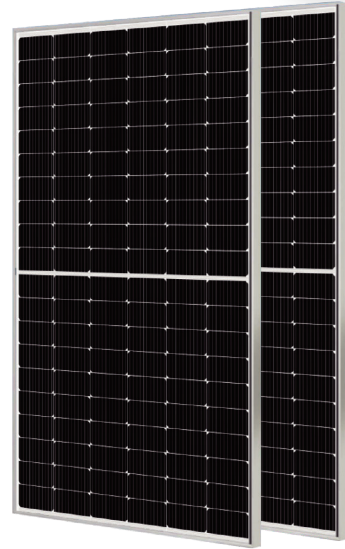


MP450W#PVT

INTRODUCTION

MONO half-cut single / double glass module, assembled with multi-busbar PERC technique and half-cut structure, which can not only absorb the energy from the front of the module, but also absorb the reflected light and the scattered light from the back, offer the advantages of higher power output, reduce shading effect on the energy generation, enhance the mechanical load bearing capacity as well.



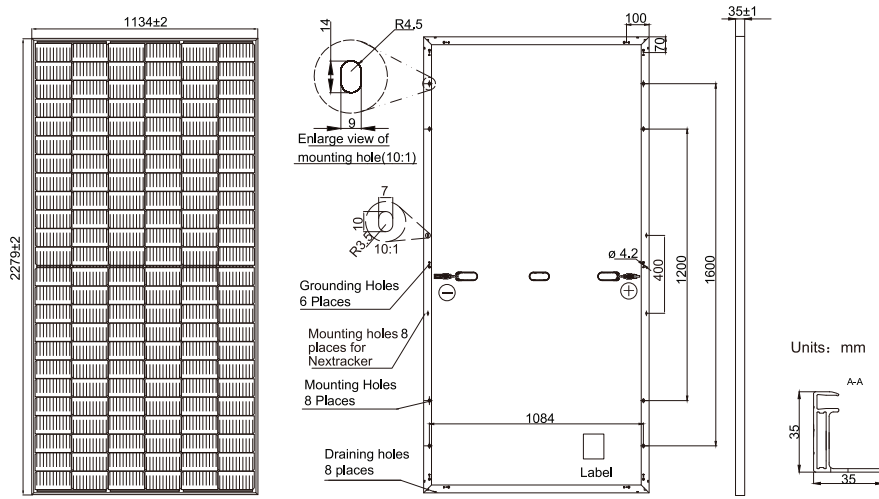
Specifications

Solar Cell(Type/Size)	MONO(182mm)
Solar Cells Number	120pcs(6*10)
Dimensions	1909×1134×35mm
Weight	23.9Kg/Pcs
Structure	3.2 Glass + EVA film + Back
Frame	Anodized Aluminum Alloy
Junction Box	IP68、3*Bypass Diode
Cable Cross Section Size	4.0mm ² ,(+)-300mm/(-)400mm
Mechanical Load	Front 5400Pa/Back 2400Pa
Packing Number	31Pcs/Pallet
Packing Volume	2.834Cbm/Pallet
40'HQ Container	744Pcs

LEAVE POWER FOR MEDAL POWER

LEAVE POWER FOR MEDAL POWER

Mechanical Diagrams



Electrical Parameters at STC

Module Type	450
Rate Maximum Power(Pmax/W)	450
Module Efficiency(%)	20.80
Open Circuit Volatge(Voc/V)	41.25
Short Circuit Current(Isc/A)	13.89
Voltage at Pmax(Vmp/V)	34.67
Current at Pmax(Imp/A)	12.98
Power Tolerance	0~+5w
Temperature Coefficient of Isc	+0.046%℃
Temperature Coefficient of Voc	-0.276%℃
Temperature Coefficient of Pmax	-0.350%℃
STC	Irradiance1000W/m ² CellTemperature25℃ AM1.5

Remark: Electrical data in this catalogue does not refer to a single module, and it's not part of the offer. It only serves for the comparison among different module types.

Electrical Parameters at NOCT

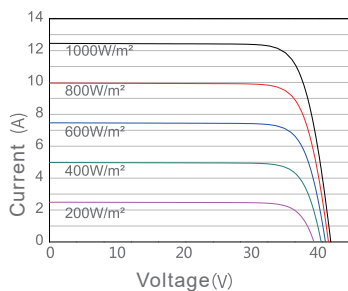
Module Type	450
Rate Maximum Power(Pmax/W)	340
Open Circuit Voltage(Voc.V)	38.65
Short Circuit Current(Isc/A)	11.08
Voltage at Pmax(Vmp/V)	32.51
Currrnt at Pmax(Imp/A)	10.46

Operating Conditions

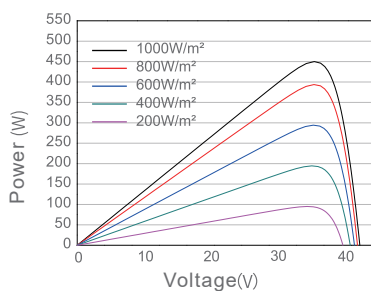
Operating Temperature	-40~+85℃
Maximum System Voltage	1500VDC
NOCT	45±2℃
Fireproof Performance	Glass℃
Maximum Series Fuse	25A
Temperature Coefficient of Voc	-0.276%/K
Temperature Coefficient of Isc	+0.046%/K

Characteristics

Current Voltage Curve MSD450P



Power Voltage Curve MSD450P



Current Voltage Curve MSD450P

