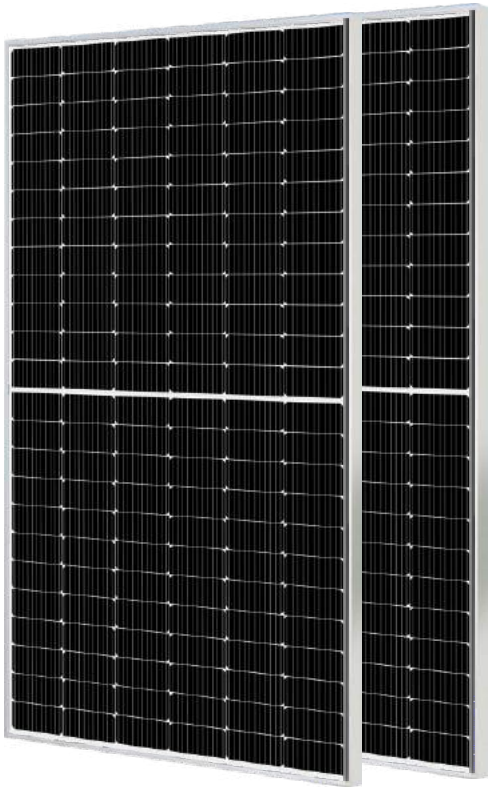
Module Picture



TD585M-144

Mono Half-cut Single

585W

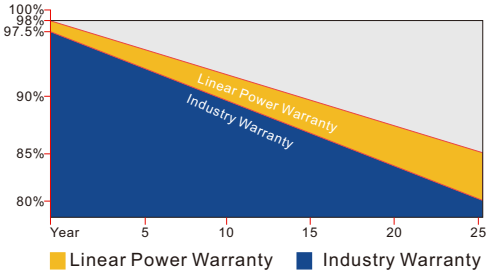
INTRODUCTION

MONO half-cut single
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.

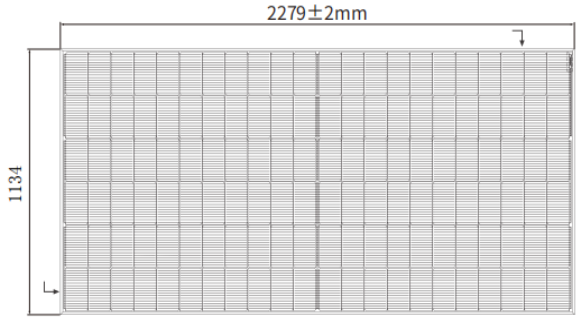
- ↓6% Saving logistics cost
- ↓7% Saving cable cost
- ↓8% Saving bracket cost
- ↓9% Saving labor cost

First-class Quality Assurance

- 10-year warranty for material and technology
- 25-year linear power output warranty



Mechanical Diagrams



PS:Frame color and cable length can be customized

Specifications

Solar Cell(Type/Size)	MONO(182mm)
Solar Cells Number	144pcs(6*24)
Dimensions	2279×1134×30mm
Weight	30Kg/Pcs
Structure	3.2 Glass + 3.2Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 3*Bypass Diode
Cable Cross Section Size	4.0mm²,(+)300mm/(-)300mm
Mechanical Load	Front 5400Pa/Back 2400Pa
Packing Number	36Pcs/Pallet
Packing Volume	3.372Cbm/Pallet
40'HQ Container	720Pcs

Electrical Parameters at STC

Module Type	TD585N
Rate Maximum Power(Pmax/W)	585
Module Efficiency(%)	22.4
Open Circuit Volatge(Voc/V)	51.84
Short Circuit Current(Isc/A)	14.2
Voltage at Pmax(Vmp/V)	43.68
Current at Pmax(Imp/A)	13.4
Power Tolerance	0~+5w
Temperature Coefficent of Isc	+0.046%℃
Temperature Coefficent of Voc	-0.276%℃
Temperature Coefficent of Pmax	-0.350%℃
STC	Irradiance 1000W/㎡ Cell Temperature 25℃ AM1.5

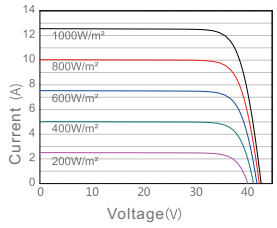
Remark: Electrical data in this catalogue does not refer to a single module, and it's not part of the offer. It only serves for the comparison among different module types.

Operating Conditions

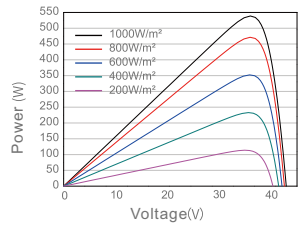
Operating Conditions	-40~+85℃
Operating Temperature	1500VDC
Maximum System Voltage	45±2℃
NOCT	Glass C
Fireproof Performance	25A
Maximum Series Fuse	-0.276%/K
Temperature Coefficient of Voc Temperature Coefficient of Isc	+0.046%/K

Characteristics

Current Voltage Curve MSD585P



Power Voltage Curve MSD585P



Current Voltage Curve MSD585P

