Ipv isola

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182M HALF CELL

585W-590W

Topcon Technology

SMBB Technology
Better light trapping and current collection to improve module power output and reliability.

PID Resistance
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.

Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

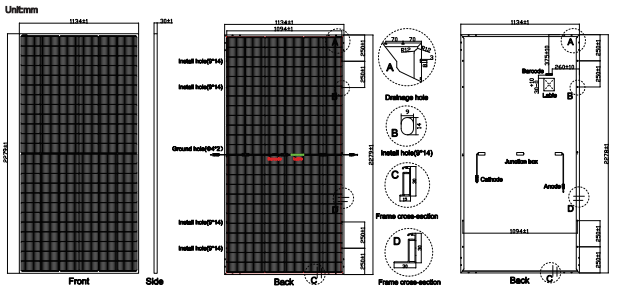
Enhanced Mechanical Load
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

ELECTRICAL PERFORMANCE

Model Type	YH585W-36MHD/MH		YH590W-36MHD/MH	
Dimensions (L / W / H)	2279*1134*30		2279*1134*30	
	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	585	441	590	445
Maximum Power Voltage (Vmp)	42.52V	39.90V	42.67V	40.03V
Maximum Power Current (Imp)	13.76A	11.06A	13.83A	11.12A
Open Circuit Voltage (Voc)	51.16±3%	48.59±3%	51.30±3%	48.72±3%
Short Circuit Current (Isc)	14.55±3%	11.77±3%	14.63±3%	11.83±3%
Module Efficiency(%)	22.64		22.83	

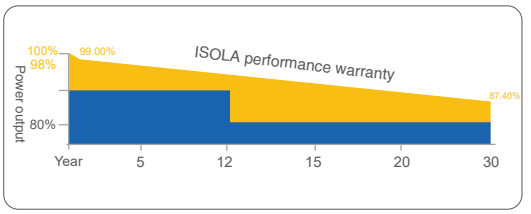
THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1500
Maximum Series Fuse Rating(A)	30A
Power Tolerance	0~+3W
Pmax Temperature Coefficients(W/℃)	-0.300%
Voc Temperature Coefficients(V/℃)	-0.250%
Isc Temperature Coefficients(A/℃)	+0.046%
NOCT Nominal Operating Cell Temperature(℃)	45±2°C
Operating and Storage Temperature(℃)	-40°C~+85°C



CONSTRUCTION MATERIALS

	Double glass	Single glass
Front Cover (Material / Thickness)	w-iron tempered glass / 2.0m	3.2mm
Weight	31.20kg	27.00kg
Cell (Quantity/Type/Dimensions)	182*91N Type Bifacial Mono	182*91 N Type Mono
No. of Cells	144(12*12)	144(12*12)
Frame (Material)	Anodized Aluminium Alloy	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP68 3diodes	IP68 3 diodes
Cable (Length/Cross-Sectional Area)	4mm² cable 35cm+MC4	4mm² cable 35cm+mc4



PACKAGING SPECIFICATIONS

- 20FT container 5Packages/315PCS
- 40HQ container 20Packages/740PCS

STC Irradiance 1000W/m² Cell Temperature 25℃ AM=1.5
NOCT Irradiance 800W/m² Ambient Temperature 20℃ AM=1.5

Please Scan Code