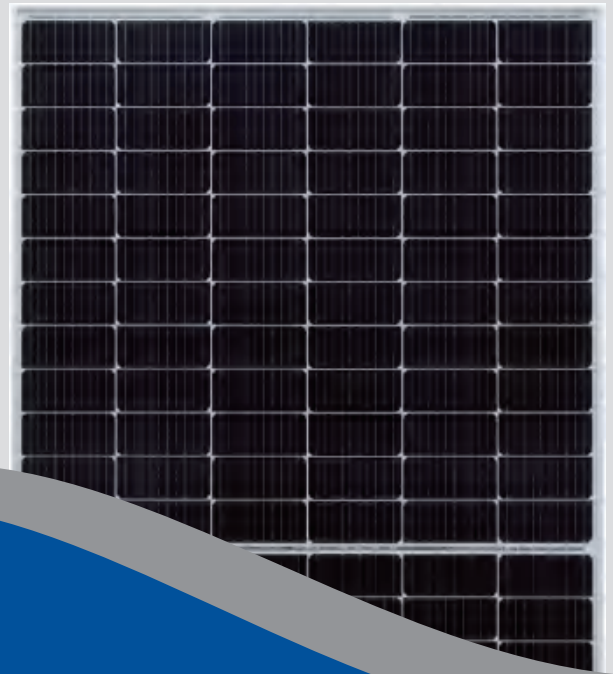


M585-N-DG

N-Type Half Cell Full Black
Bifacial Dual-Glass

585W



N-TOPCon
Technology



Less Hot Spot
Shading Effects



Excellent Anti-PID
Low LID Performance



Bifacial Cell
Module Technologies



SMBB Half Cut
Cell Technology



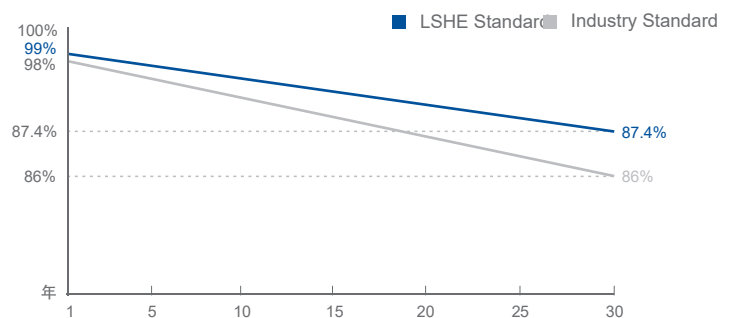
Higher Power Output
Lower BOS & LCOE

Certificate

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



Linear performance Warranty



25 years product quality warranty, 30 years linear performance warranty.

Specification

Electrical Parameters At Stc	
Module Type / M585-N-DG	585W
Maximum Power (Pmax)STC	585W
Open Circuit Voltage (Voc)	51.81V
Short Circuit Current (Isc)	14.36A
Voltage at Maximum Power (Vmpp)	42.86V
Current Maximum Power (Impp)	13.65A
Module Efficiency (%)	22.65%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

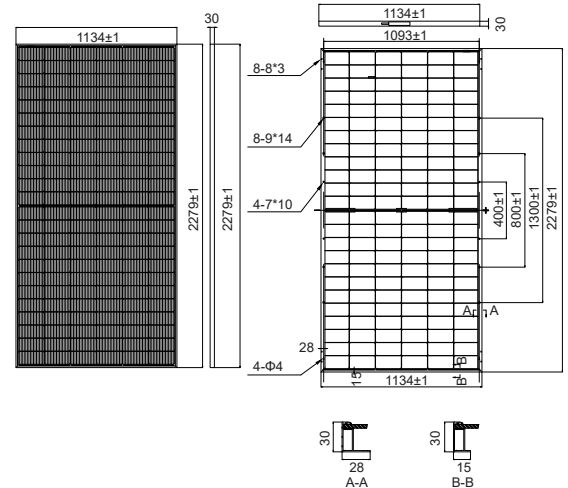
Two-sided power generation parameters (back gain)			
	5%	15%	25%
Maximum Power(Pmax)	614W	673W	731W
Module Efficiency(%)	23.56%	26.04%	28.31%

Mechanical Characteristics	
PV Cells	N-type Mono
No. of Cells	144(6×24)
Dimensions	2278×1134×30mm
Weight	31.5kg
Front Glass	2.0mm coated tempered glass
Back Glass	2.0mm coated tempered glass
Junction Box	IP68 (3 by pass diodes)
Output Cables	4.0mm ² ,300mm(+)/300mm(-), Length can be customized
Connectors	MC4 compatible
Mechanical Load Test	5400Pa

Operating Characteristics	
Maximum System Voltage	DC1500V
Operating Module Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

Temperature Characteristics	
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C
Nominal Operating Temperature (NMOT)	45±2°C

Dimension



I-V Curve

