

TOPCon High-efficiency PV Modules

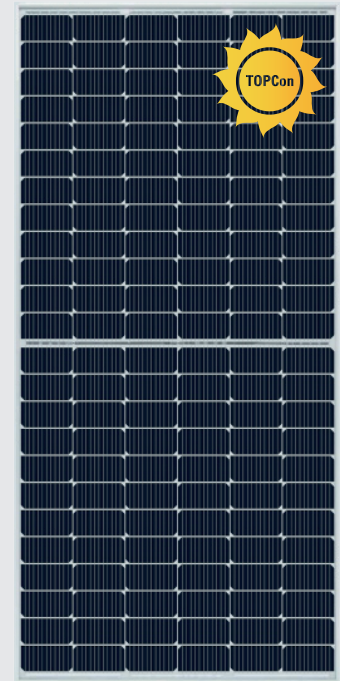
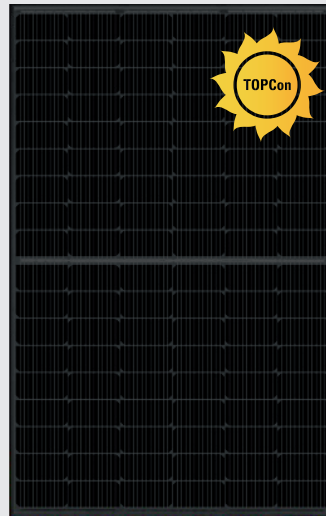
Monocrystalline PV Panel

M425-N-DG-B

N-Type Half Cell Full Black Bifacial Dual-Glass

M575-N-DG

N-Type Half-Cell Bifacial Dual-Glass



N-TOPCon Cell Technology



Less Hot Spot Shading Effects



Excellent Anti-PID Low LID Performance



Bifacial Cell Module Technologies

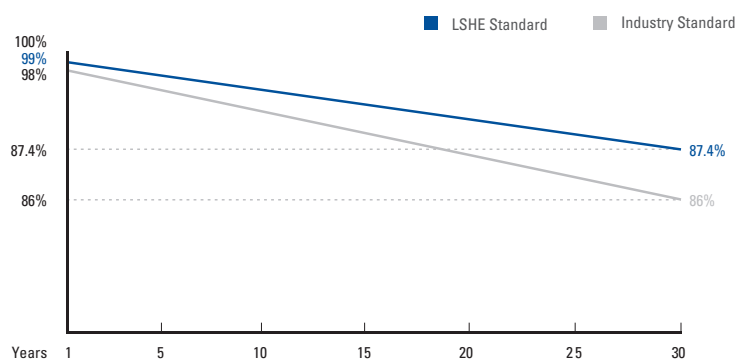


SMBB Half Cut Cell Technology



Higher Power Output Lower BOS & LCOE

Linear performance Warranty



* Standard warranty 15 years, can be extended up to 20 years.

Certificate

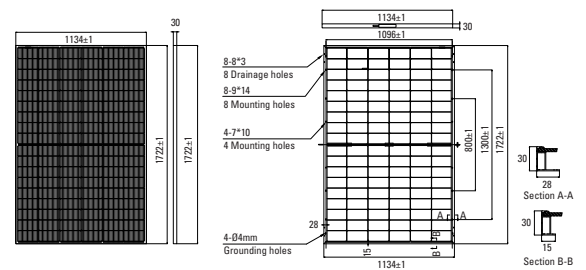
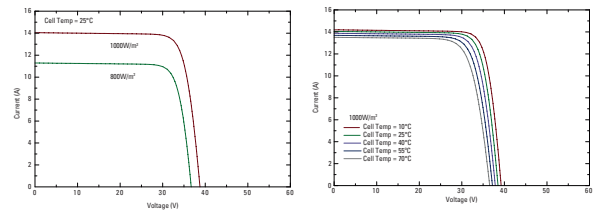
- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



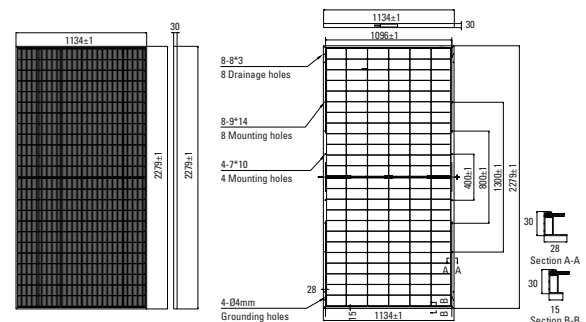
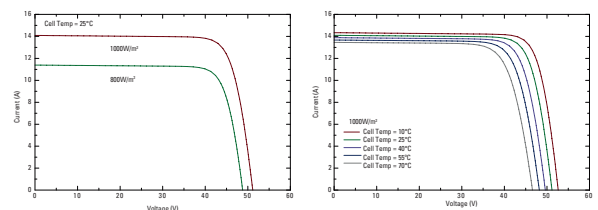
Specification

	M425-N-DG-B	M575-N-DG		
Electrical Parameters At Stc				
Module Type	STC			
Maximum Power (Pmax)	425W	575W		
Open Circuit Voltage (Voc)	38.73V	51.55V		
Short Circuit Current (Isc)	14.06A	14.22A		
Voltage at Maximum Power (Vmpp)	31.84V	42.56V		
Current Maximum Power (Impp)	13.51A	13.51A		
Module Efficiency (%)	21.76%	22.25%		
Bifacial Output-Rearside Power Gain				
5%	Maximum Power (Pmax)	446W	604W	
	Module Efficiency STC (%)	22.85%	23.36%	
15%	Maximum Power (Pmax)	489W	661W	
	Module Efficiency STC (%)	25.03%	25.59%	
25%	Maximum Power (Pmax)	531W	719W	
	Module Efficiency STC (%)	27.21%	27.81%	
Mechanical Characteristics				
Solar Cells	N-type Mono			
No. of Cells	108 (6x18)	144 (6x24)		
Dimensions	1722 x 1134 x 30mm	2279 x 1134 x 30mm		
Weight	23.5kg	31.5kg		
Front Glass	2.0mm coated semi-tempered glass			
Back Glass	2.0mm semi-tempered glass			
Junction Box	IP68 rated (3 by pass diodes)			
Output Cables	4.0mm ²			
	300mm (+) / 300mm (-)			
	Length can be customized			
Connectors	Mc4 compatible			
Mechanical Load Test	5400Pa			
Packing Configuration				
Container	20'GP	40'HQ	20'GP	40'HQ
Pieces Per Pallet	36	36	36	36
Pallets Per Container	6	26	5	20
Pieces Per Container	216	936	180	720
Operating Characteristics				
Operating Module Temperature	-40°C to +85°C			
Maximum System Voltage	1500DC (IEC)			
Maximum Series Fuse Rating	30A			
Power Tolerance	0/+5W			
Temperature Characteristics				
Nominal Operating Temperature (NMOT)	45±2°C			
Temperature Coefficient of Pmax	-0.29%/°C			
Temperature Coefficient of Voc	-0.25%/°C			
Temperature Coefficient of Isc	+0.045%/°C			

M425-N-DG-B



M575-N-DG



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