SYMN144TBD

N-TYPE DOUBLE GLASS BIFACIAL MODULE

600W Maximum Power Output

23.23% Maximum Module Efficiency

80% Bifaciality

0~5W Pmax Tolerance

Lower LCOE

N-TOPCon bifacial technology: lower degradation, higher bifaciality, ≥30 year service life and lower BOS.

Lower Temperature Coefficient

lower temperature coefficient and higer power generation under high-temperature conditions.

PID Resistance

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

ZERO LID (Light Induced Degradation)

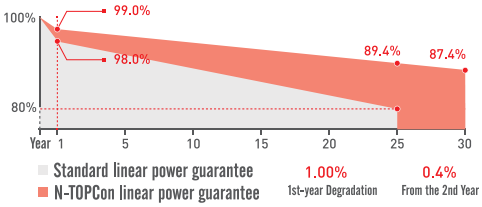
N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer zero LID degradation.

Better Low Light Performance

Higher power output even under low-light weather such as cloudy and foggy days.

Mechanical Load Enhanced

Certified to withstand: 5400 Pa front side max static test load and 2400 Pa rear side max static test load.



12 Years Material & Workmanship Warranty

30 Years Linear Performance Warranty

TÜVRheinland® Precisely Right.

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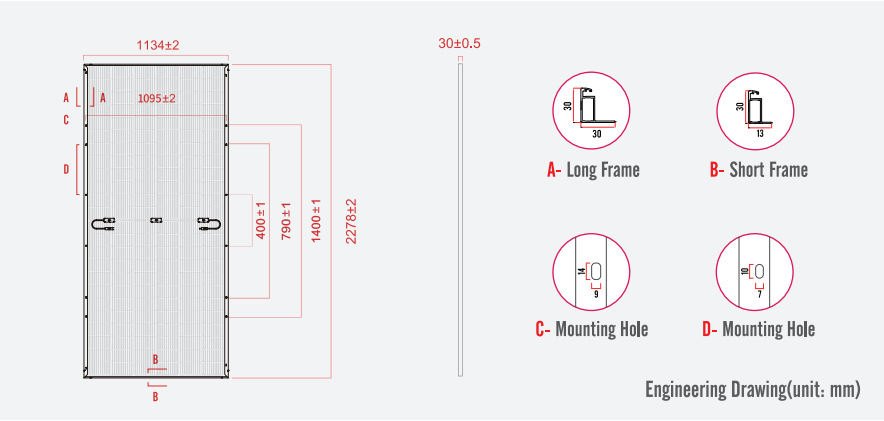
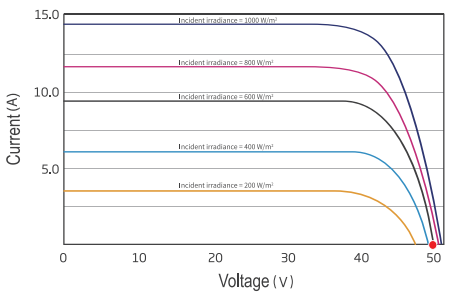
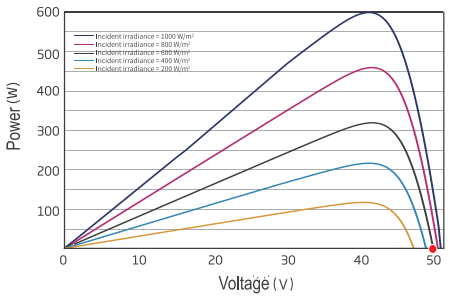


Characteristic Curves (SYMN144TBD-600W)





MECHANICAL PROPERTIES			
Cell Size	182mm*183mm series	Front Glass/Back Glass	Heat-strengthened Glass 2mm/2mm
Number of Cells	144 (2*72)	Frame	Anodized Aluminium Alloy
Module Dimension	2278mm×1134mm×30mm	Junction Box	IP68
Weight	31.2kg	Connector	MC4 Compatible Connector
Length of Cable	TUV 1×4.0mm² (+): 300mm,(-):200mm(Or Customized Length)		

SPECIFICATIONS(FRONT)	STC*					
Maximum Power (Pmax/W)	575	580	585	590	595	600
Peak Power Voltage (Vmp/V)	44.07	44.24	44.42	44.60	44.77	44.94
Peak Power Current (Imp/A)	13.05	13.11	13.17	13.23	13.29	13.35
Open Circuit Voltage (Voc/V)	51.54	51.68	51.82	51.96	52.10	52.24
Short Circuit Current (Isc/A)	13.84	13.90	13.96	14.02	14.08	14.14
Module Efficiency(%)	22.26	22.45	22.65	22.84	23.03	23.23

The above data is for reference only, the actual data is subject to the actual test

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5

BIFACIAL OUTPUT-REARSIDE POWER GAIN							
5%	Maximum Power (Pmax)	604	609	614	620	625	630
	Module Efficiency STC (%)	23.38	23.57	23.78	23.98	24.18	24.39
15%	Maximum Power (Pmax)	661	667	673	679	684	690
	Module Efficiency STC (%)	25.60	25.82	26.04	26.27	26.49	26.49
25%	Maximum Power (Pmax)	719	725	731	738	744	750
	Module Efficiency STC (%)	27.83	28.07	28.31	28.55	28.79	29.03

OPERATING PROPERTIES		TEMPERATURE COEFFICIENT		PACKAGING CONFIGURATION		
Operating Temperature	-40°C~+85°C	Temperature Coefficient of Pmax	-0.29%/°C	Packing Type	40'HQ Container	17.5m Flatbed Traile
Maximum System Voltage	DC1500V(IEC)	Temperature Coefficient of Voc	-0.25%/°C	Pcs/Pallet	36 pcs	36 pcs
Maximum Series Fuse Rating	30A	Temperature Coefficient of Isc	+0.045%/°C	Pallet/Container	20 pallets	26 pallets
Pmax Tolerance	0~+5W	Nominal Operating Cell Temperature (NOCT)	45±2°C	Pcs/Container	720 pcs	936 pcs
Bifaciality	80±5%					

*Bifaciality=Pmaxrear(STC)/Pmaxfront(STC)

SANY® SANY SILICON ENERGY

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