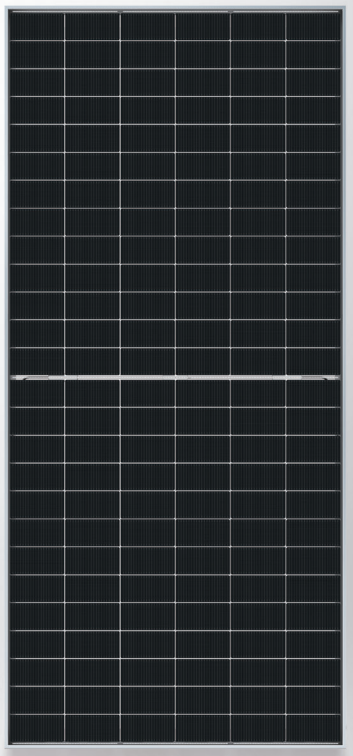
SYMN156TBD(OBB)

N-TYPE DOUBLE GLASS BIFACIAL MODULE



655W
Maximum Power Output

23.43%
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)

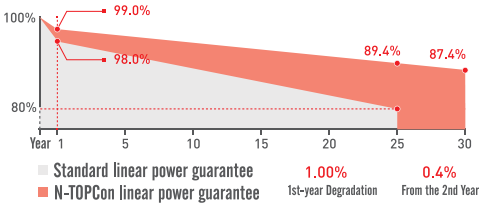
N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer zero LID degradation.

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.



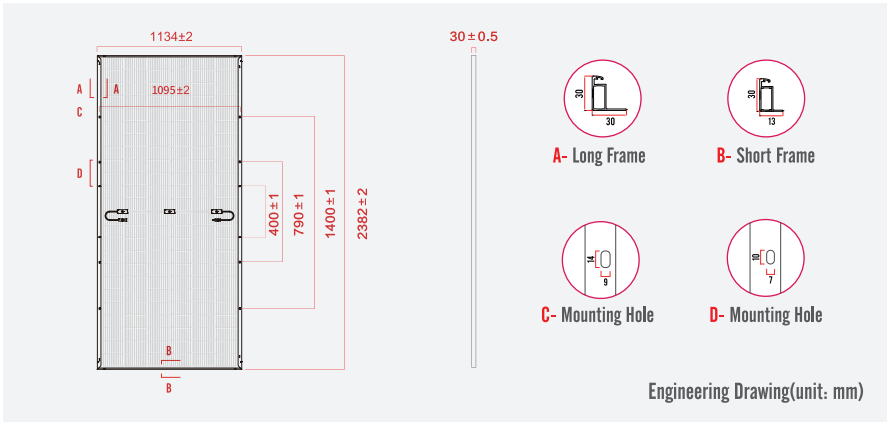
12 Years Material & Workmanship Warranty

30 Years Linear Performance Warranty

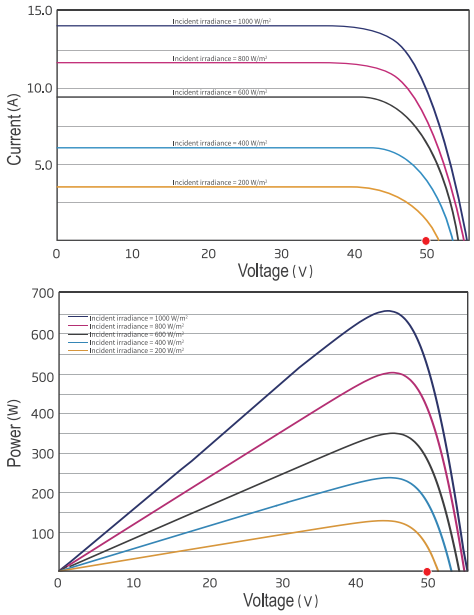
TÜVRheinland® Precisely Right.

SYMN156TBD(0BB)

N-TYPE DOUBLE GLASS BIFACIAL MODULE



Characteristic Curves (SYMN156TBD(0BB)-655W)



MECHANICAL PROPERTIES			
Cell Size	182mm*183mm series	Front Glass/Back Glass	Heat-strengthened glass 2mm/2mm
Number of Cells	156 (2*78)	Frame	Anodized Aluminium Alloy
Module Dimension	2465mm×1134mm×30mm	Junction Box	IP68
Weight	33.2kg	Connector	MC4 Compatible Connector
Length of Cable	TUV 1×4.0mm² (+): 300mm,(-):200mm(Or Customized Length)		

SPECIFICATIONS(FRONT)	STC*						
Maximum Power (Pmax/W)	625	630	635	640	645	650	655
Peak Power Voltage (Vmp/V)	47.89	48.05	48.22	48.37	48.53	48.69	48.84
Peak Power Current (Imp/A)	13.05	13.11	13.17	13.23	13.29	13.35	13.41
Open Circuit Voltage (Voc/V)	56.75	56.97	57.14	57.32	57.51	57.70	57.88
Short Circuit Current (Isc/A)	13.69	13.75	13.81	13.87	13.93	13.99	14.05
Module Efficiency(%)	22.36	22.54	22.72	22.90	23.07	23.25	23.43

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)	656	662	667	672	677	683	688
	Module Efficiency STC (%)	23.48	23.66	23.85	24.04	24.23	24.42	24.60
15%	Maximum Power (Pmax)	719	725	730	736	742	748	753
	Module Efficiency STC (%)	25.71	25.92	26.12	26.33	26.54	26.74	26.95
25%	Maximum Power (Pmax)	781	788	794	800	806	813	818.75
	Module Efficiency STC (%)	27.95	28.17	28.40	28.62	28.84	29.07	29.29

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	36pcs
Maximum Series Fuse Rating	30A	Temperature Coefficient of Isc	+0.045%/°C	Pallet/Container	16 pallets	26 pallets
Pmax Tolerance	0~+5W	Nominal Operating Cell Temperature (NOCT)	45±2°C	Pcs/Container	576 pcs	936 pcs
Bifaciality	80±5%					

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

SANY® SANY SILICON ENERGY

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