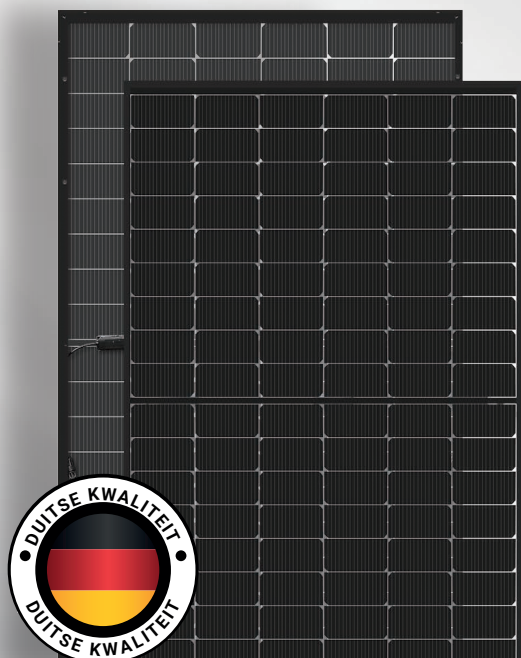




460W~575Wp

M10 solar modules **NT2 Series**
Mono SMBB TOPCon large size half cut
bifacia double glass module

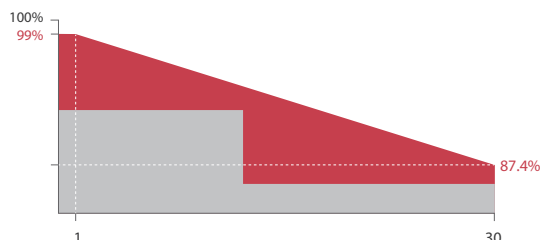
Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for distributed scenarios.

MODULE CHARACTER

- Fire safe certified – Class A
- Exceptional PID Resistance
- Salt mist resistance/Ammonia resistance /dust and hail resistance
- Production process reliability test
- 0~+5W Positive Tolerance
- Lower LID / LETID
- Reduce BOS cost increase ROI
- 100% triple EL test enabling remarkable reduction of hidden crack rate of modules

CERTIFICATION

IEC61215/IEC61730
ISO9001:Quality Management System
ISO14001:Environmental Management System
ISO45001:Occupational Health and Safety Management System



Linear performance warranty

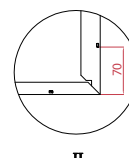
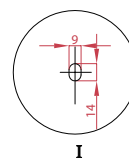
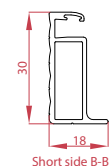
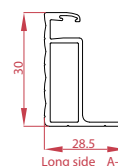
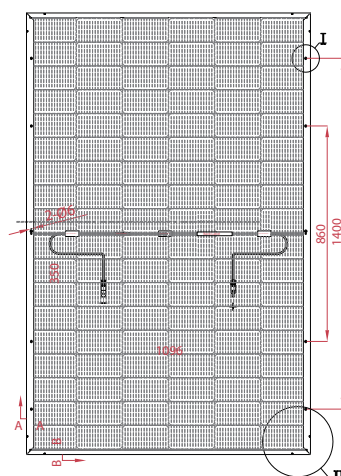
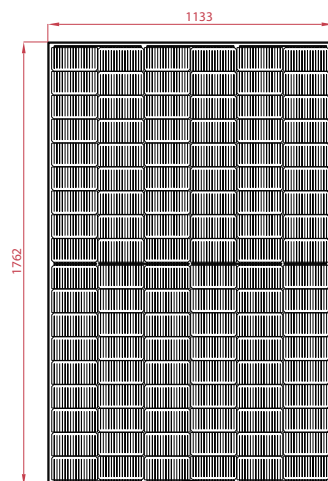
Product warranty



SR-54MNHLProD 460W-575Wp

ONYX

ENGINEERING DRAWINGS



Length: $\pm 2\text{mm}$

Width: $\pm 2\text{mm}$

Thickness: $\pm 1\text{mm}$

Pitch-row: $\pm 2\text{mm}$

Module Type	SR-54M 435NHLProD		SR-54M 440NHLProD		SR-54M 445NHLProD		SR-54M 450NHLProD		SR-54M 455NHLProD		SR-54M 460NHLProD	
Module Efficiency (%)	21.79		22.05		22.3		22.55		22.8		23.05	
Tolerance (W)	0~+5		0~+5		0~+5		0~+5		0~+5		0~+5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(Wp)	435	328.16	440	331.93	445	335.70	450	339.48	455	343.25	460	347.02
Open Circuit Voltage Voc(V)	38.79	37.05	39.02	37.27	39.25	37.49	39.48	37.71	39.71	37.93	39.94	38.15
Short Circuit Current Isc(A)	14.34	11.58	14.42	11.64	14.50	11.71	14.58	11.77	14.65	11.83	14.72	11.89
Maximum Power Voltage Vm(V)	32.05	30.07	32.24	30.25	32.43	30.43	32.62	30.61	32.81	30.79	33.00	30.97
Maximum Power Current Im(A)	13.58	10.95	13.65	11.01	13.73	11.07	13.8	11.13	13.87	11.18	13.94	11.24
Cell Type (mm)	M10 TOPCon											
Number of Cells (Pcs)	108(6x18)											
Maximum System Voltage (V)	DC1500											
Temp.Coeff.of Voc (%/°C)	-0.29											
Temp.Coeff.of Isc (%/°C)	0.045											
Temp.Coeff.of Pm (%/°C)	-0.25											
Operating Temperature (°C)	-40 to 85											
Nominal Operating Cell Temperature(NOCT) (°C)	45 $\pm$ 2											
Max.Series Fuse (A)	30											
Pressure Bearing (Pa)	5400											
Wind Bearing (Pa)	2400											

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

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

Different backside power gains(460W)	10%	15%	20%	25%
Peak Power Pmax(Wp)	495	517.5	540	575
Open Circuit Voltage Voc(V)	39.49	39.51	39.52	39.53
Short Circuit Current Isc(A)	16.02	16.75	17.47	18.19
Maximum Power Voltage Vm(V)	32.63	32.64	32.65	32.66
Maximum Power Current Im(A)	15.17	15.85	16.54	17.22

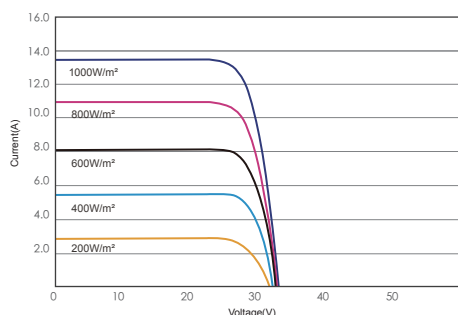
MATERIAL DETAILS

Frame	Anodized aluminum	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cell	6x18pcs mono solar cell	Junction Box	Ip $\geq$ 68, TÜV&UL
Glass	2x2.0mm Anti-Reflection Coating Heat Strengthened Glass	Net length of Cable	350mm or as customer's requirements

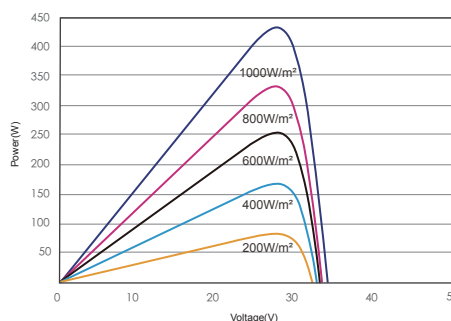
PACKING DETAILS

Dimension	1762x1133x30mm	Weight	24.2kg
Loading Capacity	936pcs/40'HC	Packing	36pcs/pallet

IV CURVES



I-V CURVES OF PV MODULE(435W)



P-V CURVES OF PV MODULE(435W)