SUNRISE 昊宇光伏 Since 2006
Create A Sustainable Future

www.sunriseenergy.cn

575w~600w

M10 solar panels Aquaman series

Mono SMBB TOPCon large size solar panel

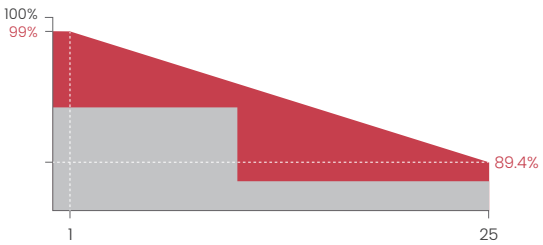
Excellent technical advantages and system design scheme to achieve high reliability, power generation effective gain and EPC cost reduction. Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for industrial and commercial and centralized ground power stations.

MODULE CHARACTER

- 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
- Non-destructive cutting

CERTIFICATION

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



25 YEAR Linear performance warranty

15 YEAR Product warranty

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ADD: No.20 Tongzi River West Road, Zhonglou Development Zone, Changzhou, Jiangsu

If any update, Sunrise would not make further notice. Sunrise reserves the right of final interpretation.

SR-72MNHLPro 575w-600w Aquaman series

Module Type	SR-72M575NHLPro		SR-72M580NHLPro		SR-72M585NHLPro		SR-72M590NHLPro		SR-72M595NHLPro		SR-72M600NHLPro	
Module Efficiency (%)	22.28		22.48		22.67		22.86		23.06		23.25	
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(W)	575	433.8	580	437.5	585	441.3	590	445.09	595	448.86	600	452.63
Open Circuit Voltage Voc(V)	51.11	48.82	51.31	49.01	51.50	49.19	51.69	49.38	51.89	49.56	52.08	49.75
Short Circuit Current Isc(A)	14.39	11.61	14.46	11.67	14.52	11.72	14.60	11.78	14.66	11.84	14.73	11.90
Maximum Power Voltage Vm(V)	42.23	39.63	42.39	39.78	42.55	39.93	42.71	40.08	42.87	40.23	43.03	40.38
Maximum Power Current Im(A)	13.62	10.98	13.69	11.04	13.75	11.09	13.82	11.14	13.88	11.19	13.95	11.25
Cell Type (mm)	M10 TOPCon											
Number of Cells (Pcs)	144(6×24)											
Maximum System Voltage (V)	DC1500											
Temp.Coeff.of Voc (%/°C)	-0.249											
Temp.Coeff.of Isc (%/°C)	0.045											
Temp.Coeff.of Pm (%/°C)	-0.3											
Operating Temperature (°C)	-40 to 85											
Nominal Operating Cell Temperature(NOCT) (°C)	45±2											
Max.Series Fuse (A)	25											
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

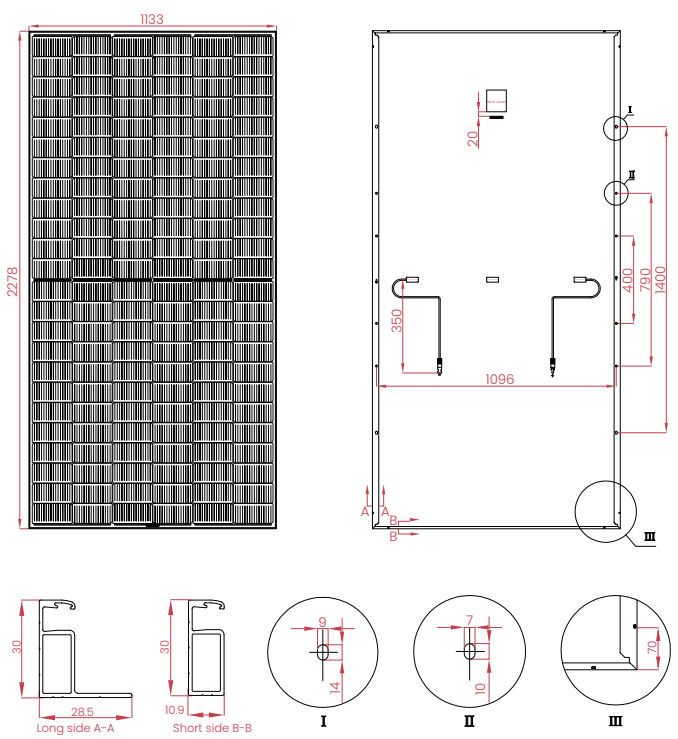
MATERIAL DETAILS

Frame	Anodized aluminum	Net length of Cable	350mm or as customer's requirements
Cell	6×24pcs mono solar cell	Junction Box	IP≥68, TÜV & UL
Glass	3.2mm Anti-Reflection Coating Heat Strengthened Glass	Cable&Connector	4mm², EVO2 or EVO2 compatible

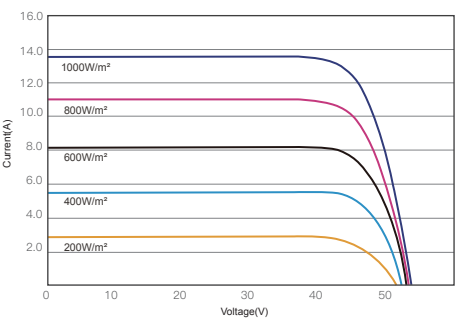
PACKING DETAILS

Dimension	2278×1133×30mm	Weight	26.9kg
Loading Capacity	740pcs/40HC	Packing	37pcs/pallet

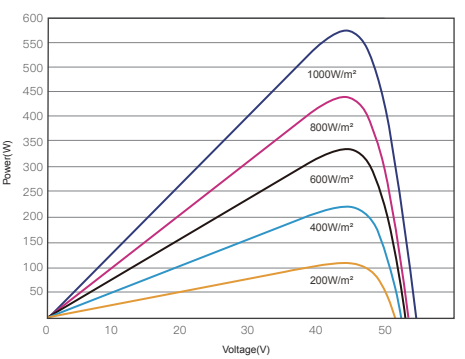
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(575W)



P-V CURVES OF PV MODULE(575W)