









280~310W

M10 solar panels Aquaman series
Mono MBB **N-type** large size half cut
bifacial solar panel

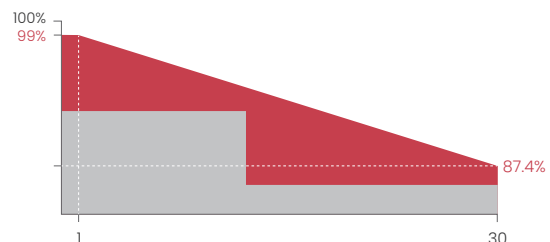
Excellent technical advantages and system design scheme to achieve high reliability, power generation effective gain and EPC cost reduction. Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized 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
-  Mono MBB half cut
-  Reduce BOS cost increase ROI
-  Non-destructive cutting
-  Double-sided electricity generation

CERTIFICATION

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



Linear performance warranty



Product warranty

SUNRISE ENERGY CO., LTD

TEL:+86-519-81688389 E-mail:info@sunriseenergy.cn

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



ENGINEERING DRAWINGS

Module Type	SR-36M 280NHLPro		SR-36M 285NHLPro		SR-36M 290NHLPro		SR-36M 295NHLPro		SR-36M 300NHLPro		SR-36M 305NHLPro		SR-36M 310NHLPro	
Module Efficiency (%)	20.65		21.64		21.39		21.75		22.19		22.49		22.86	
Tolerance (W)	0~+5		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	STC	NOCT
Maximum Power Pmax(W)	280	211.23	285	215.00	290	218.77	295	222.55	300	226.32	305	230.09	310	233.86
Open Circuit Voltage Voc(V)	23.72	22.66	23.95	22.88	24.15	23.06	24.34	23.25	24.53	23.43	24.73	23.62	24.92	23.80
Short Circuit Current Isc(A)	15.09	12.19	15.21	12.28	15.36	12.40	15.49	12.51	15.64	12.63	15.77	12.73	14.85	11.99
Maximum Power Voltage Vm(V)	19.60	18.39	19.79	18.57	19.95	18.72	20.11	18.87	20.27	19.02	20.43	19.17	20.59	19.32
Maximum Power Current Im(A)	14.29	11.52	14.40	11.61	14.54	11.72	14.67	11.83	14.81	11.94	14.93	12.04	14.06	11.34
Cell Type (mm)	MBB-Mono-Crystalline Silicon													
Number of Cells (Pcs)	72(4×18)													
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

Different backside power gains(280W)	10%	15%	20%	25%
Peak Power Pmax(W)	308	322	336	350
Open Circuit Voltage Voc(V)	23.73	23.75	23.76	23.77
Short Circuit Current Isc(A)	16.59	17.33	18.08	18.82
Maximum Power Voltage Vm(V)	19.61	19.62	19.63	19.64
Maximum Power Current Im(A)	15.71	16.41	17.12	17.82

MATERIAL DETAILS

Frame	Anodized aluminum	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cell	4×18pcs mono solar cell	Junction Box	Ip>68, TÜV&UL
Glass	3.2mm Anti-Reflection Coating Heat Strengthened Glass	Net length of Cable	150mm or as customer's requirements

PACKING DETAILS

Dimension	1773×765×30mm	Weight	13kg
Loading Capacity	1516pcs/40'HC	Packing	2pcs/Carton

IV CURVES

