

**Aquaman Series**  
M10 Mono Half Cell Module

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**SR-78MHLPro** 575~595W

- SR-78M575HLPro
- SR-78M580HLPro
- SR-78M585HLPro
- SR-78M590HLPro
- SR-78M595HLPro

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



Higher Power Output



Better Low-light Performance



MBB Half Cut Cell With PERC Technology



less shading effect

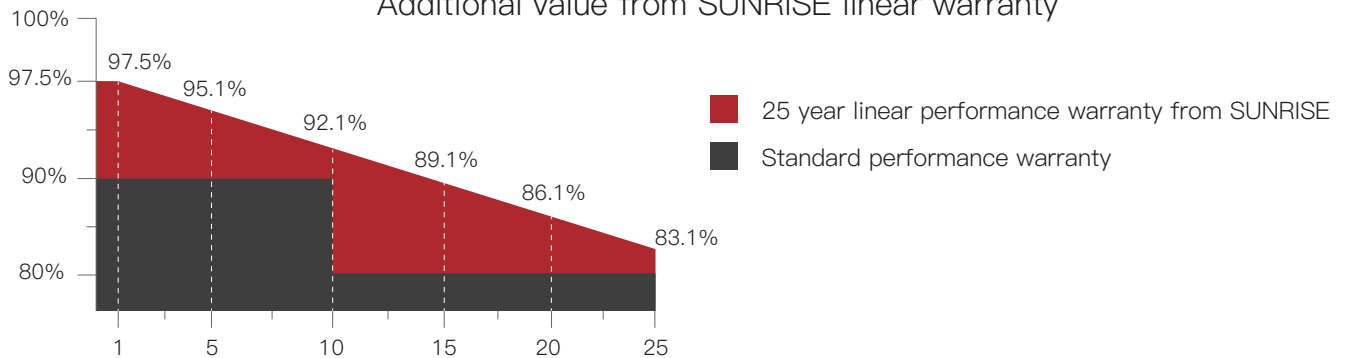


0~+5W Positive Tolerance



PID Resistance

Additional value from SUNRISE linear warranty



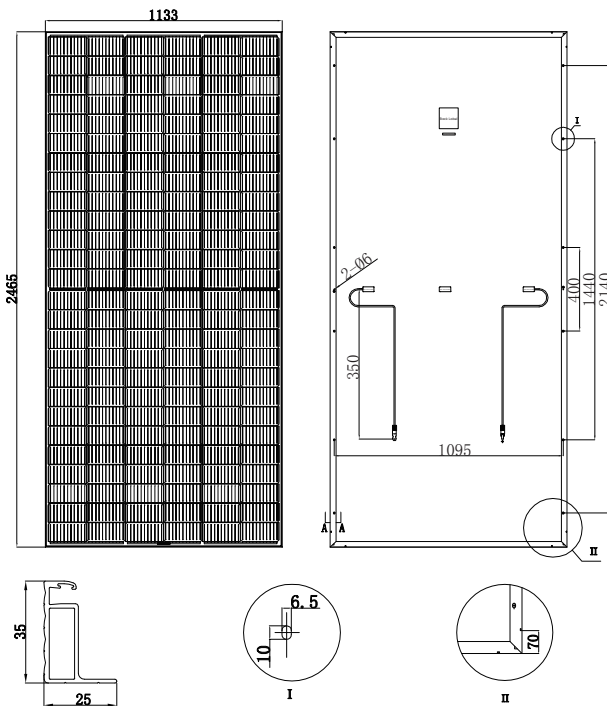


Module Type		SR-78M575HLP Pro		SR-78M580HLP Pro		SR-78M585HLP Pro		SR-78M590HLP Pro		SR-78M595HLP Pro	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Tolerance	(W)	0 ~ +5									
Module Efficiency	(%)	20.59		20.77		20.95		21.13		21.31	
Maximum Power	P <sub>max</sub> (W)	575	434.47	580	438.24	585	442.02	590	445.80	595	449.58
Open Circuit Voltage	V <sub>oc</sub> (V)	53.00	49.75	53.24	49.98	53.49	50.21	53.74	50.44	53.99	50.68
Short Circuit Current	I <sub>sc</sub> (A)	13.71	11.06	13.77	11.11	13.83	11.15	13.88	11.20	13.93	11.24
Maximum Power Voltage	V <sub>m</sub> (V)	44.82	41.27	45.03	41.47	45.24	41.66	45.45	41.85	45.66	42.05
Maximum Power Current	I <sub>m</sub> (A)	12.83	10.52	12.89	10.56	12.94	10.61	12.99	10.65	13.04	10.69
Cell Type	(mm)	MBB-182×91mm(Mono-Crystalline Silicon)									
Number of Cells	(Pcs)	156(6×26)									
Maximum System Voltage	(V)	DC1500									
Temp. Coeff. of Voc	(%/°C)	-0.282									
Temp. Coeff. of Isc	(%/°C)	0.05									
Temp. Coeff. of P <sub>m</sub>	(%/°C)	-0.348									
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/m<sup>2</sup>, Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C; Wind speed 1m/s

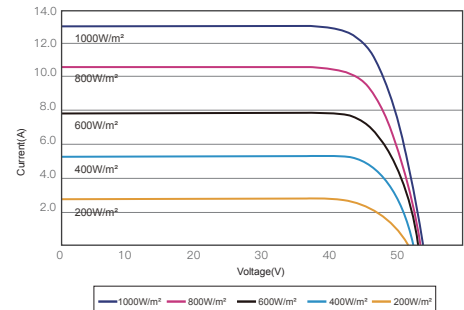
## ENGINEERING DRAWINGS



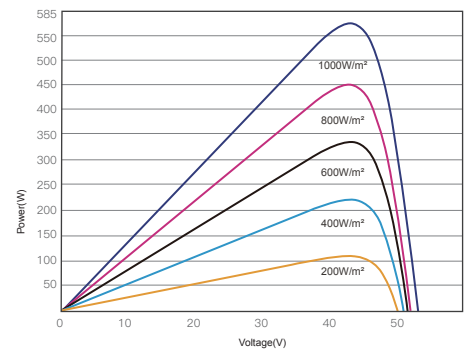
Manufactured in China

MATERIAL DETAILS	
Frame	Anodized aluminum
Glass	3.2mm low-iron tempered sudee glass
Cell	6×26pcs mono solar cell
Junction Box	IP ≥ 68 ,TUV & UL
Diode quantity	3
Cable&Connector	4mm <sup>2</sup> , EVO2 or EVO2 compatible
Cable length	350mm or as customer's requirements

## IV CURVES



I-V CURVES OF PV MODULE(585W)



P-V CURVES OF PV MODULE(585W)

## PACKING DETAILS

Dimension	(mm)	2465×1133×35
Weight	(kg)	29
Loading Capacity		496pcs/40HC
Packing	pcs/pallet	31