

Aquaman Series  
M10 Mono Half Cell Module

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SR-54MHLPro SR-54M400HLPro  
400~410W SR-54M405HLPro  
SR-54M410HLPro

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

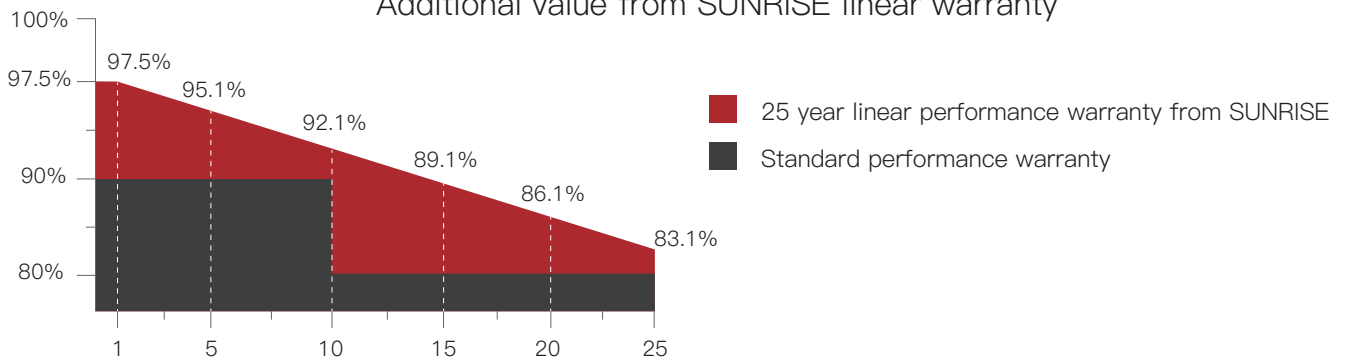


0~+5W Positive Tolerance



PID Resistance

Additional value from SUNRISE linear warranty

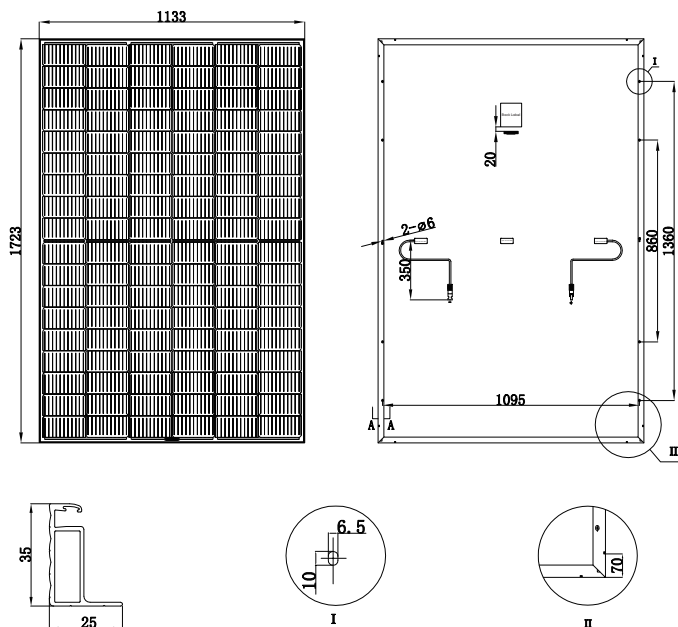


Module Type		SR-54M400HLPPro		SR-54M405HLPPro		SR-54M410HLPPro	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT
Tolerance	(W)	0 ~ +5					
Module Efficiency	(%)	20.5		20.75		21.01	
Maximum Power	Pmax(W)	400	297.69	405	301.41	410	305.13
Open Circuit Voltage	Voc(V)	37.01	34.93	37.24	35.15	37.47	35.37
Short Circuit Current	Isc(A)	13.79	11.13	13.81	11.15	13.96	11.27
Maximum Power Voltage	Vm(V)	30.55	28.42	30.74	28.60	30.93	28.78
Maximum Power Current	Im(A)	13.1	10.48	13.12	10.49	13.26	10.60
Cell Type	(mm)	MBB-182×91mm(Mono-Crystalline Silicon)					
Number of Cells	(Pcs)	108(6×18)					
Maximum System Voltage	(V)	DC1500					
Temp. Coeff. of Voc	(%/°C)	-0.282					
Temp. Coeff. of Isc	(%/°C)	0.05					
Temp. Coeff. of Pm	(%/°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

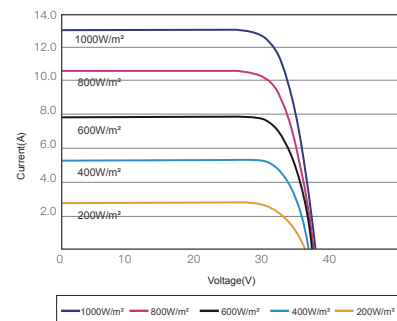


Manufactured in China

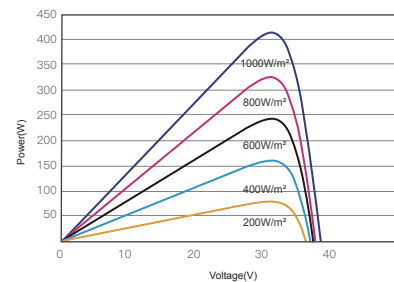
## MATERIAL DETAILS

Frame	Anodized aluminum
Glass	3.2mm low-iron tempered suede glass
Cell	6×18pcs mono solar cell
Junction Box	IP ≥ 68, TÜV & 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(405W)



P-V CURVES OF PV MODULE(405W)

## PACKING DETAILS

Dimension	(mm)	1723×1133×35
Weight	(kg)	21.5
Loading Capacity		806pcs/40HC
Packing	pcs/pallet	31