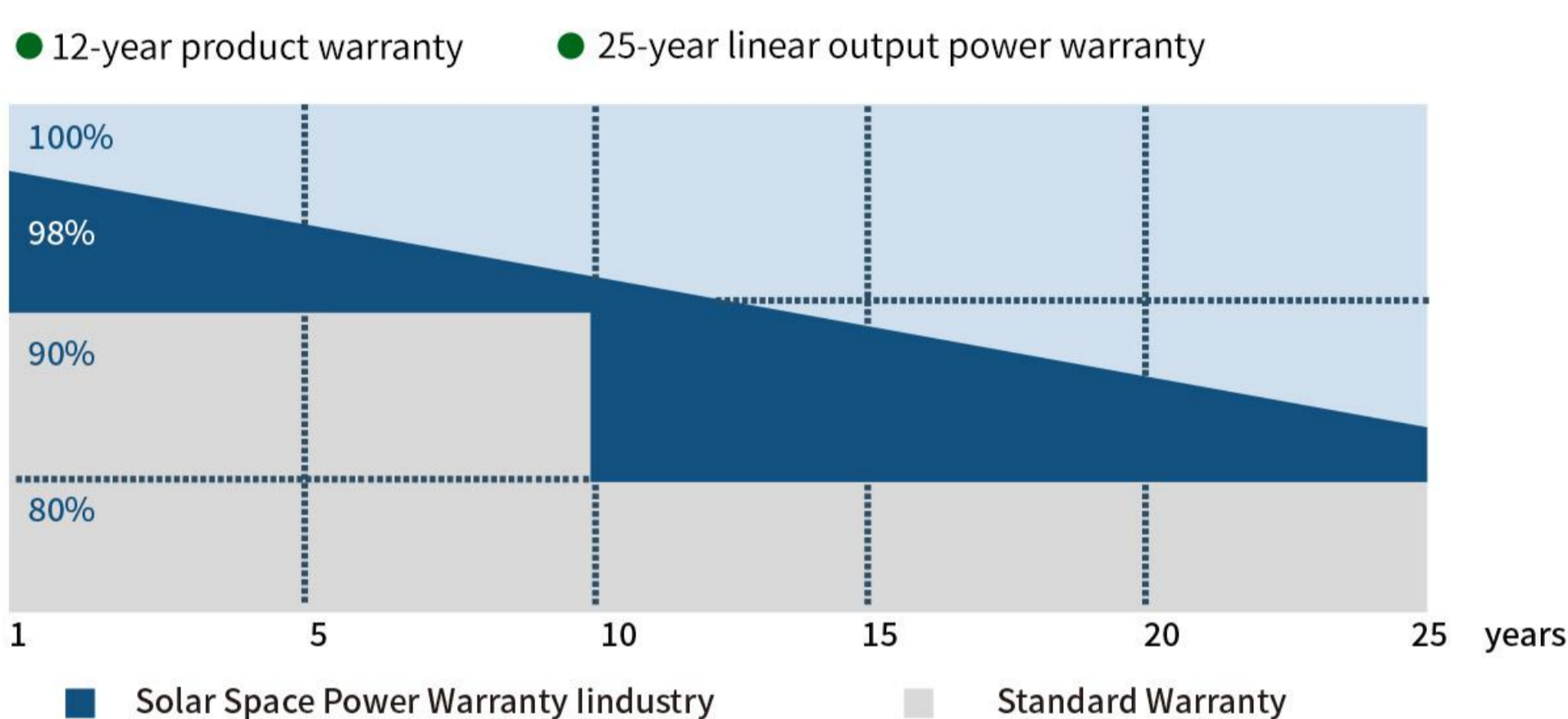


# JUPITER

## MONOCRYSTAL PV MODULE SERIES

### SS8-54HS 390-415M

### 25-YEAR LINEAR PERFORMANCE WARRANTY



## KEY FEATURES



10-busbar solar cell improves the efficiency of modules by decreasing the distance between busbars and finger grid line



Optimized electrical design with lower operating current improves shading response



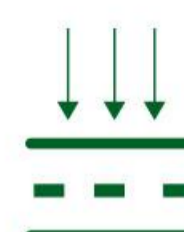
Gallium-doped silicon cell technology makes PV module first year power degradation <2%



Advance glass and cell surface textured design ensure excellent performance in low-light environment.



Half-cut cell technology to reduce hot spot risk

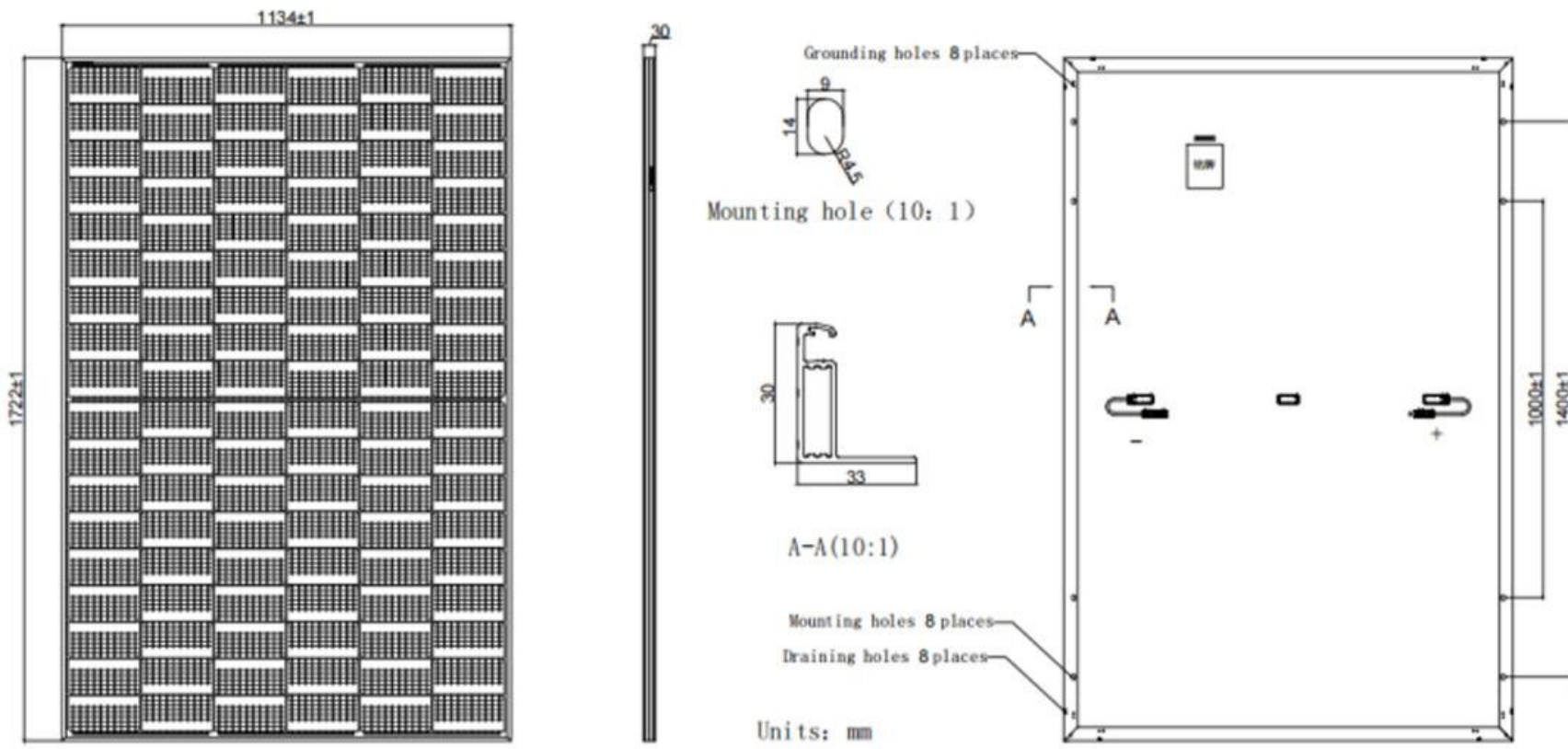


Severe weather resilience: certified to withstand wind load(2400 pascal)and snowload(5400 pascal)



# MONOCRYSTAL PV MODULE TWIN1.0 MONO P-TYPE SOLAR MODULE

## ENGINEERING DESIGN



Remark: customized frame color and cable length available upon request.

## SPECIFICATIONS

Cell	Mono PERC
Weight	22.0kg±3%
Dimensions	1722X1134X30mm
Cable Diameter	4mm <sup>2</sup> (IEC),12AWG(UL)
No. of cells	108(6x18)
Junction Box	IP68, 3 diodes
Packaging	36 pcs/Pallet , 936 pcs/40ft container

## ELECTRICAL PARAMETERS AT STC

	SS8-54HS -390M	SS8-54HS -395M	SS8-54HS -400M	SS8-54HS -405M	SS8-54HS -410M	SS8-54HS -415M
Module Type						
Rated Maximum Power(Pmax) [W]	390	395	400	405	410	415
Open Circuit Voltage(Voc) [V]	36.85	36.98	37.07	37.23	37.32	37.45
Maximum Power Voltage(Vmp) [V]	30.64	30.84	31.01	31.21	31.45	31.61
Short Circuit Current(Isc) [A]	13.61	13.70	13.79	13.87	13.95	14.02
Maximum Power Current(Imp) [A]	12.73	12.81	12.90	12.98	13.04	13.13
Module Efficiency[%]	19.98%	20.23%	20.48%	20.74%	21.00%	21.25%
Power Tolerance	0~+3%					
Temperature Coefficient of Isc(a_Isc)	+0.045%/° C					
Temperature Coefficient of Voc (β-Voc)	-0.275%/° C					
Temperature Coefficient of Pmax (Y_Pmp)	-0.350%/° C					
STC	Irradiance1000W/m2, cell temperature 25° C, AM1.5G					

Remark:Electrical data in this catalog do refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

## ELECTRICAL PARAMETERS AT NOCT

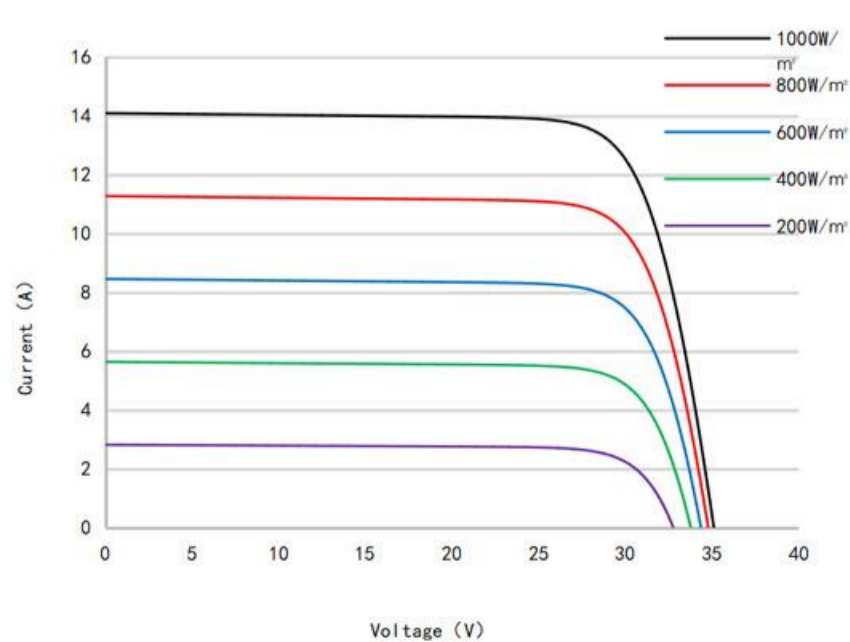
	SS8-54HS -390M	SS8-54HS -395M	SS8-54HS -400M	SS8-54HS -405M	SS8-54HS -410M	SS8-54HS -415M
Module Type						
Rated Max Power (Pmax) [W]	294	298	302	306	310	314
Open Circuit Voltage (Voc) [V]	34.62	34.75	34.88	35.12	35.23	35.37
Max Power Voltage (Vmp) [V]	28.87	29.08	29.26	29.47	29.72	29.89
Short Circuit Current (Isc) [A]	10.89	10.96	11.03	11.10	11.16	11.22
Max Power Current (Imp) [A]	10.18	10.25	10.32	10.38	10.43	10.50
NOCT	Irradiance 800W/m2, ambient temperature 20°C, AM1.5G, wind spend 1m/s					

## OPERATING CONDITIONS

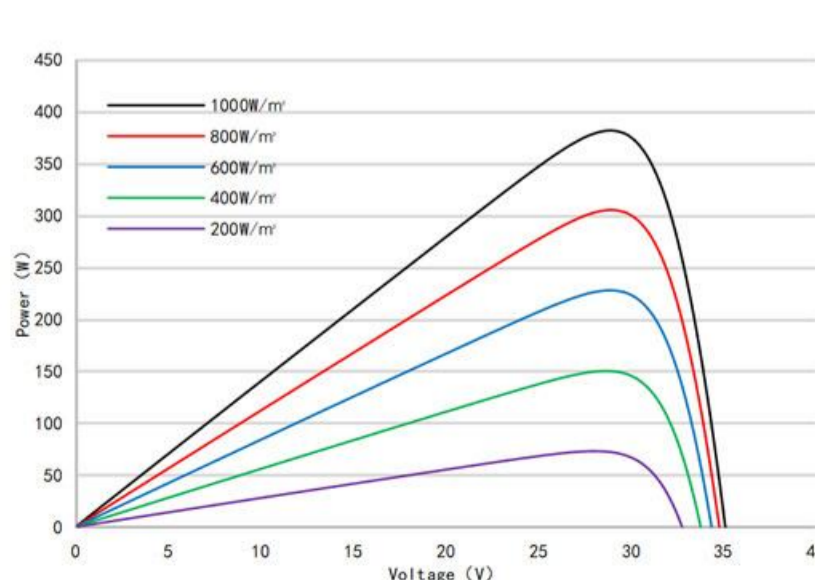
Max System Voltage	1000V/1500V DC
Operating Temperature	-40° C~+85° C
Max Series Fuse Rating	25A
Max Static Load, Front	5400Pa(112lb/ft2)
Max Static Load, Back	2400Pa (50lb/ft2)
NOCT	45±2° C
Protection Class	Class II
Fire Rating	ULType1

## CHARACTERISTICS

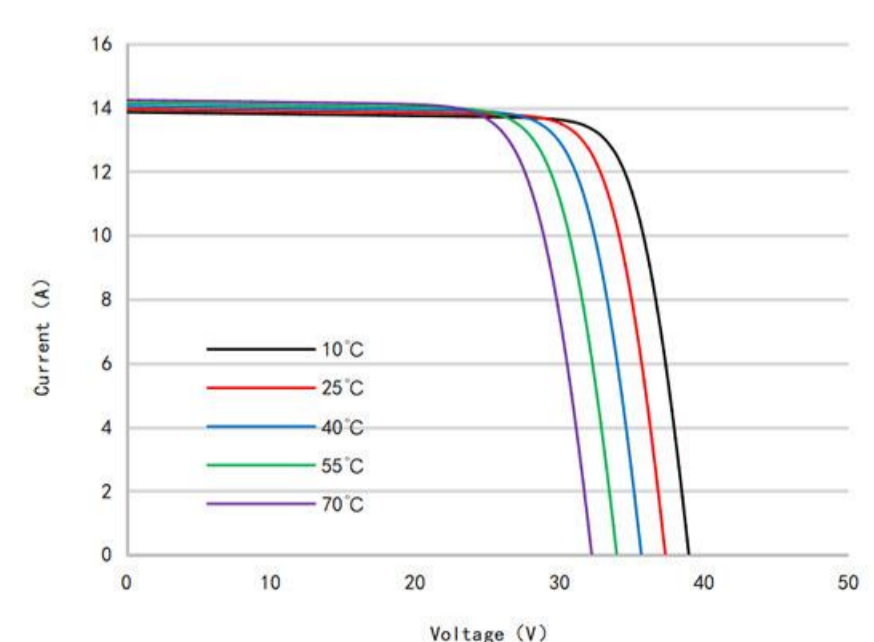
Current-Voltage Curve SS8-54HS -410M



Power-Voltage Curve SS8-54HS -410M



Current-Voltage Curve SS8-54HS -410M



STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM 1.5G  
NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM1.5G Wind Speed 1m/s