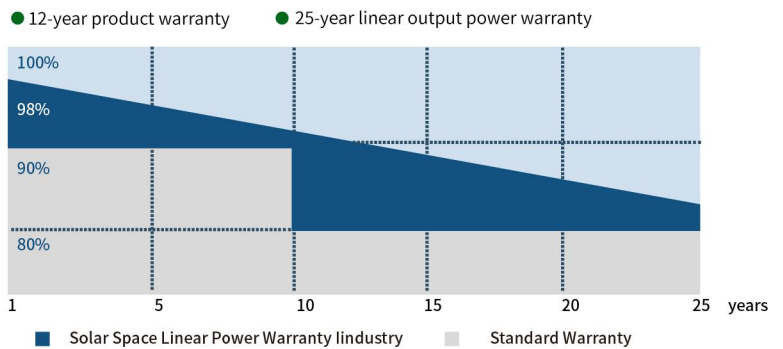


# SATURN

## MONOCRYSTAL PV MODULE SERIES

### SS6-60HS 355-380M

### 25-YEAR LINEAR PERFORMANCE WARRANTY



## KEY FEATURES



9-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.

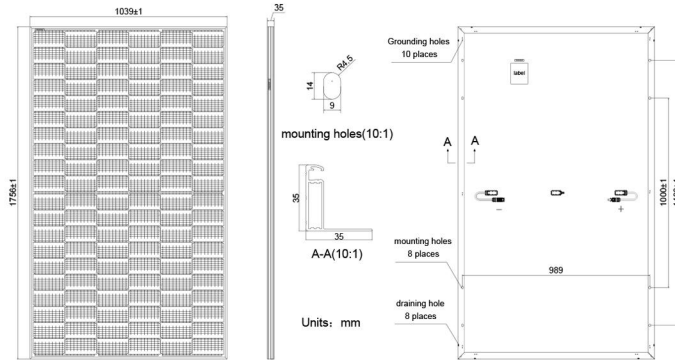


Half-cut cell technology to reduce hot spot risk



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

## ENGINEERING DESIGN



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

## SPECIFICATIONS

Cell	Mono PERC
Weight	20.0kg±3%
Dimensions	1756X1039X35mm
Cable Diameter	4mm <sup>2</sup> (IEC),12AWG(UL)
No. of cells	120(6x20)
Junction Box	IP68, 3 diodes
Packaging	31 pcs/Pallet , 806 pcs/40ft container

## ELECTRICAL PARAMETERS AT STC

Module Type	SS6-60HS -355M	SS 6-60HS -360M	SS6-60HS -365M	SS6-60HS -370M	SS6-60HS -375M	SS6-60HS -380M
Rated Maximum Power(Pmax) [W]	355	360	365	370	375	380
Open Circuit Voltage(Voc)[V]	40.3	40.5	40.7	40.9	41.1	41.3
Maximum Power Voltage(Vmp) [V]	33.8	34.0	34.2	34.4	34.6	34.8
Short Circuit Current(Isc)[A]	11.25	11.35	11.43	11.52	11.60	11.69
Maximum Power Current(Imp) [A]	10.51	10.59	10.68	10.76	10.84	10.92
Module Efficiency[%]	19.46%	19.73%	20.01%	20.28%	20.55%	20.83%
Power Tolerance	0~ + 5W					
Temperature Coefficient of Isc(a_Isc)	+0.044%/°C					
Temperature Coefficient of Voc (β-Voc)	-0.272%/°C					
Temperature Coefficient of Pmax (γ_Pmp)	-0.350%/°C					

STC

Irradiance1000W/m<sup>2</sup>,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

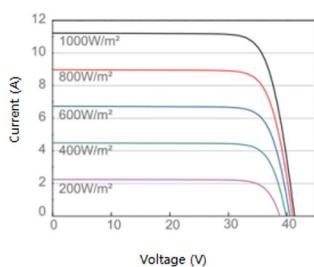
Module Type	SS6-60HS -355M	SS6-60HS -360M	SS6-60HS -365M	SS6-60HS -370M	SS6-60HS -375M	SS6-60HS -380M
Rated Max Power (Pmax) [W]	264.7	268.5	272.2	275.9	279.6	283.4
Open Circuit Voltage (Voc)[V]	37.42	37.74	37.99	38.31	38.59	38.87
Max Power Voltage (Vmp) [V]	30.99	31.22	31.45	31.68	31.96	32.18
Short Circuit Current (Isc)[A]	8.97	9.02	9.08	9.13	9.19	9.24
Max Power Current (Imp) [A]	8.54	8.60	8.65	8.71	8.75	8.81
NOCT	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, AM1.5G,wind spend 1m/s					

## OPERATING CONDITIONS

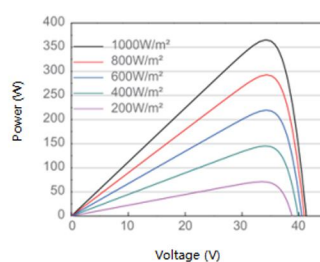
Max System Voltage	1000V/1500V DC
Operating Temperature	-40°C~+85°C
Max Series Fuse Rating	20A
Max Static Load,Front	5400Pa(112lb/ft <sup>2</sup> )
Max Static Load,Back	2400Pa (50lb/ft <sup>2</sup> )
NOCT	45±2°C
Protection Class	Class II
Fire Rating	Class A

## CHARACTERISTICS

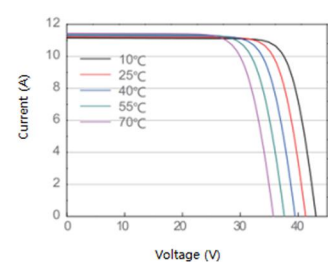
Current-Voltage Curve SS6-60HS -365M



Power-Voltage Curve SS6-60HS -365M



Current-Voltage Curve SS6-60HS -365M



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