

HI- K ILO 445-460W

High Efficiency Half-Cell Mono PERC Module



Excellent low irradiance performance.



Better light trapping and current collection to improve module power output and reliability.



Industry leading lowest thermal co-efficient of power.



Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



100% triple EL test enabling remarkable reduction of hidden crack rate of modules

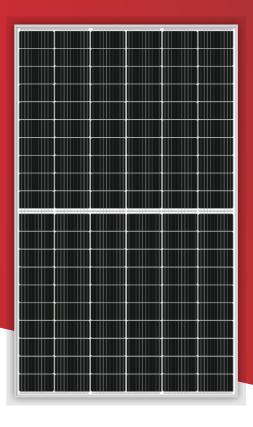
PERFORMANCE INSURANCE



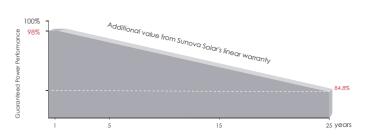




Optional performance warranty insurance. Please contact our local sales staff for more information.



LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee Linear power guarantee

Annual Degradation Over 25 years

COMPREHENSIVE CERTIFICATES

















ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and

Safety Assessment System Standard

2014 Social Accountability Management System SA 8000:

* Different markets have different certification requirements. Also, the products are under rapid innovation. Please confirm the certification status with regional sales representatives.

ELECTRIC CHARACTERISTICS



Model of modules	SS-445-60MDH		SS-450-60MDH		SS-455-60MDH		SS-460-60MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P _{mp} (W)	445	332	450	335	455	339	460	343
Open-circuit voltage − V _{oc} (V)	41.27	38.79	41.46	38.97	41.65	39.15	41.78	39.29
Short-circuit current $-I_{sc}(A)$	13.42	10.88	13.47	10.91	13.54	10.97	13.63	11.04
Maximum power voltage − V _{mp} (V)	34.46	32.05	34.62	32.19	34.78	32.35	34.89	32.46
Maximum power current — I _{mp} (A)	12.92	10.36	13.01	10.41	13.09	10.48	13.19	10.57
Module efficiency $-\eta_m$ (%)	20.6%		20.9%		21.1%		21.3%	
Power tolerance (W)	(0,+5)							
Tolerance of rated Pmpp (%)	±3							
Maximum system voltage (V)	1500							
Maximum rated fuse current (A)	25							
Current operating temperature (°C)	-40~+85°C							

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5 NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

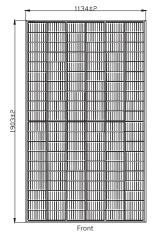
STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	1903 x 1134 x 30 mm		
Weight	24 kg		
Number of cells	120 cells		
Cell	PERC Monocrystalline 182x91 mm		
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron		
Frame	Anodized aluminum alloy		
Junction box	IP68		
Output wire	4.0 mm², wire length: 300mm/customized		
Connector	PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO 2/xy_UR		
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa		

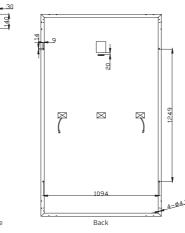
TEMPERATURE RATINGS

Temperature coefficient (P _{max})	-0.35 %/°C		
Temperature coefficient (V _{oc})	-0.28 %/°C		
Temperature coefficient (I _{sc})	+0.045 %/°C		
Nominal operating cell temperature	43±2°C		
Fire safety class	С		
PACKAGING CONFIGURATION			
Container	40HQ		
Quantity/pallet	36		

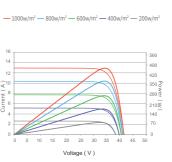
MODULE DIMENSIONS (MM)





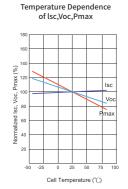


Current-Voltage & Power-Voltage Curves (460W) 25 30 35



Pallets/container

Quantity/container



24

864



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