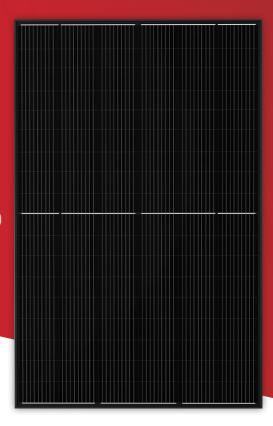


HI- K ILO 395-410W

High Efficiency Half-Cell Mono PERC Module (Full Black)





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

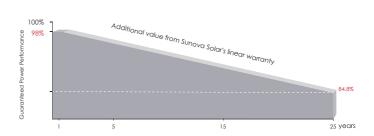
### PERFORMANCE INSURANCE







## 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

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

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#### **ELECTRIC CHARACTERISTICS**



Model of modules	SS-395-54MDH		SS-400-54MDH		SS-405-54MDH		SS-410-54MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power − P <sub>mp</sub> (W)	395	294	400	298	405	302	410	305
Open-circuit voltage — V <sub>oc</sub> (V)	36.98	34.82	37.18	34.95	37.33	35.09	37.68	35.42
Short-circuit current $-I_{sc}(A)$	13.30	10.80	13.39	10.85	13.44	10.89	13.59	11.01
Maximum power voltage — V <sub>mp</sub> (V)	31.23	29.09	31.42	29.22	31.55	29.35	31.84	29.61
${\rm Maximum\ power\ current} - {\rm I_{mp}\ (A)}$	12.65	10.19	12.74	10.21	12.84	10.29	12.88	10.31
Module efficiency $-\eta_m$ (%)	20.2%		20.5%		20.7%		21.0%	
Power tolerance (W)	(0,+5)							
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)	1722 x 1134 x 30 mm (67.80 x 44.65 x 1.18 inch)		
Weight	21.5 kg (47.40 lbs)		
Number of cells	108 cells		
Cell	PERC Monocrystalline 182x91 mm (7.17 x 3.58 inch)		
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron		
Frame	Anodized aluminum alloy		
Junction box	IP68, 3 diodes		
Output wire	4.0 mm², wire length: 300mm/customized		
Connector	MC4 Compatible		
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa		

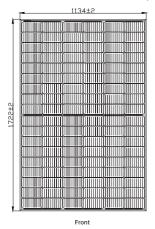
### **TEMPERFORMANCE RATINGS**

Temperature coefficient (P <sub>max</sub> )	-0.35 %/°C
Temperature coefficient (V <sub>oc</sub> )	-0.27 %/°C
Temperature coefficient (I <sub>sc</sub> )	+0.05 %/°C
Nominal operating cell temperature	45±2°C

#### **PACKAGING CONFIGURATION**

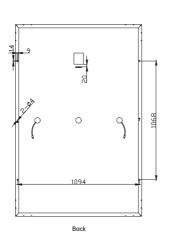
Container	40HQ
Quantity/pallet	36
Pallets/container	26
Quantity/container	936

### **MODULE DIMENSIONS (MM)**

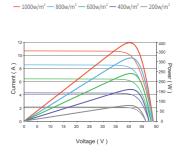




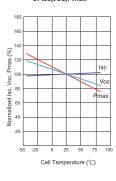
Side



#### Current-Voltage & Power-Voltage Curves (400W)



# Temperature Dependence of lsc,Voc,Pmax



<sup>\*</sup> The unmarked tolerance is ±1 mm Length shown in mm



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