SUNOVA SOLAR

Leading one-Stop Pv Supplier

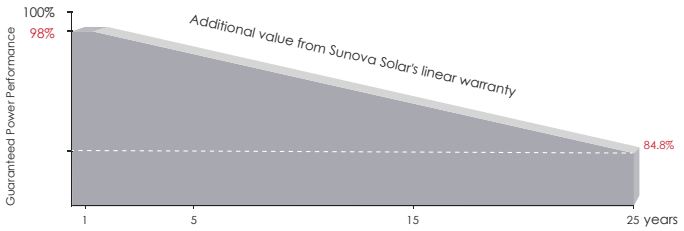
HI-KILO

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

LINEAR PERFORMANCE WARRANTY



15 years
Product quality & process guarantee

25 years
Linear power guarantee

0.55 %
Annual Degradation Over 25 years

PERFORMANCE INSURANCE

Ariel Re

LLOYD'S Underwriters

中国平安 PING AN P & C INSURANCE CO CN SZN

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

COMPREHENSIVE CERTIFICATES

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and Safety Assessment System Standard

SA 8000: 2014 Social Accountability Management System

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

ELECTRIC CHARACTERISTICS

108 cells

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_{mp} (W)	395	294	400	298	405	302	410	305
Open-circuit voltage — V_{oc} (V)	36.93	34.71	37.18	34.95	37.33	35.09	37.68	35.42
Short-circuit current — I_{sc} (A)	13.24	10.72	13.39	10.85	13.44	10.89	13.59	11.01
Maximum power voltage — V_{mp} (V)	31.21	29.03	31.42	29.22	31.55	29.35	31.84	29.61
Maximum power current — I_{mp} (A)	12.66	10.13	12.74	10.21	12.84	10.29	12.88	10.31
Module efficiency — η_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/m^2, Cell Temperature 25 ℃ , Spectra at AM1.5
NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m^2, Ambient Temperature 20℃ , Spectra at AM1.5, Wind at 1m/s

STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	1722 x 1134 x 30 mm
Weight	21.5 kg
Number of cells	108 cells
Cell	PERC Monocrystalline 182x91 mm
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Output wire	4.0 mm^2, wire length: 300mm/customized
Connector	MC4 Compatible
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa

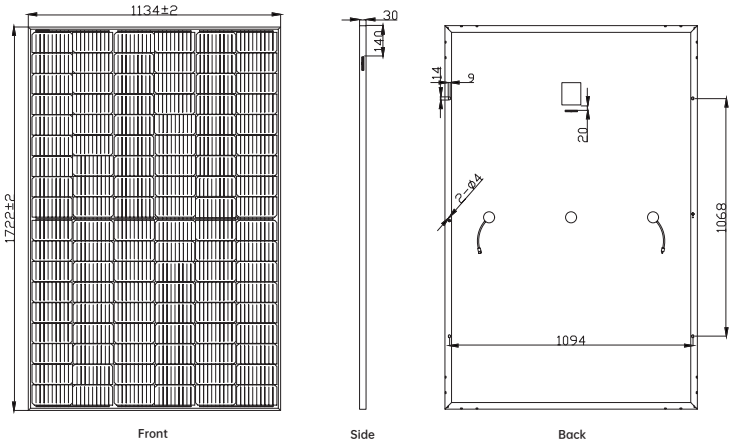
TEMPERATURE RATINGS

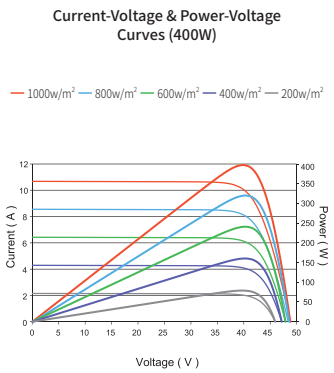
Temperature coefficient (P_{max})	-0.35 %/°C
Temperature coefficient (V_{oc})	-0.28 %/°C
Temperature coefficient (I_{sc})	+0.05 %/°C
Nominal operating cell temperature	43±2 °C

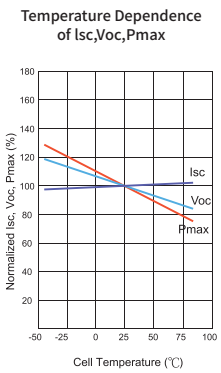
PACKAGING CONFIGURATION

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

MODULE DIMENSIONS (MM)







* The unma rance is ±1 mm
Length shown in mm

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