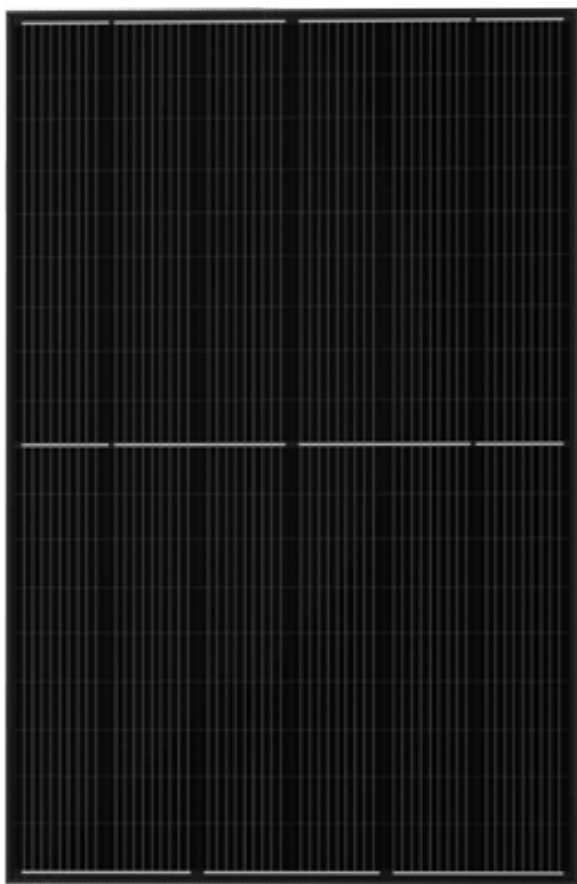




# Sunova Solar Panels

HI-KILO Series  
SS-410-54MDH  
**395-410Wp**



Nominal Power: 395-410Wp



Wind/Snow Load: 2400/5400Pa



Dimension: 1724 x 1134 x 30mm



Efficiency: Up to 21%

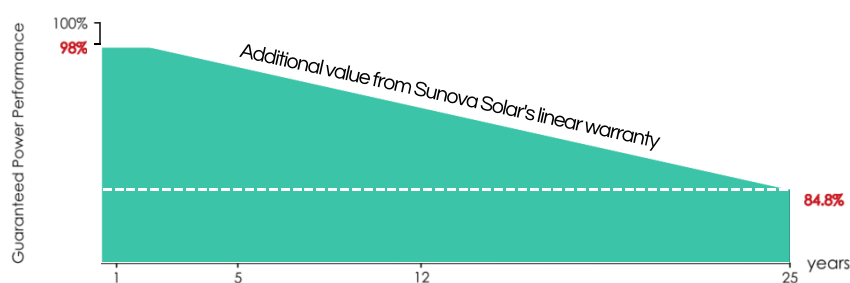


Maximum System Voltage: 1500 V



Weight: 21.5 kg

## Linear Performance Warranty



**25 Years**

Linear power  
guarantee

**15 Years**

Product quality  
&  
process guarantee

**0.55 %**

Annual  
Degradation  
Over 25 years

## Comprehensive Certificates

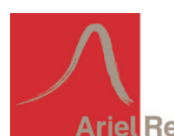


ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: International Occupational Health and Safety Assessment System Standard

## Performance Insurance



**中国平安**

PING AN  
P & C INSURANCE CO CN SZN

## 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 – $P_{mp}$ (W)	395	294	400	298	405	302	410	305
Open-circuit voltage – $V_{oc}$ (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 – $V_{mp}$ (V)	31.23	29.09	31.42	29.22	31.55	29.35	31.84	29.61
Maximum power current – $I_{mp}$ (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/m<sup>2</sup>, Cell Temperature 25 °C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

## Structural Characteristics

Module dimensions (L*W*H)	1724 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 <sup>2</sup> , wire length: 300 mm or Customized Length
Connector	MC4 Compatible
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa
Hailstone Test	25 mm Hailstone at the speed of 23 m/s

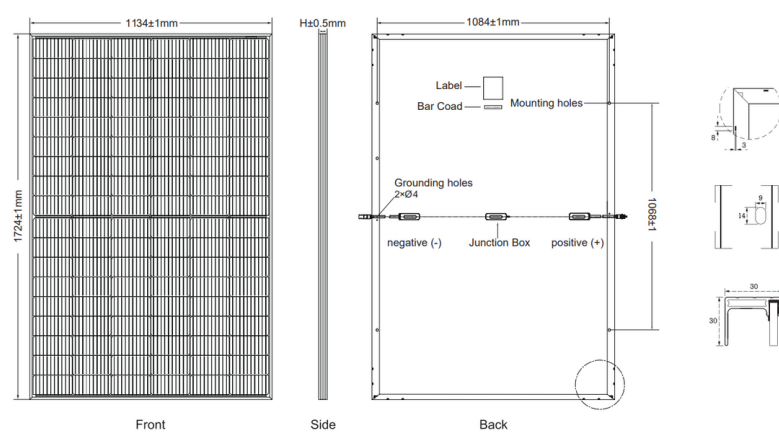
## Temperature Performance Ratings

Temperature coefficient ( $P_{max}$ )	-0.35 %/°C
Temperature coefficient ( $V_{oc}$ )	-0.27 %/°C
Temperature coefficient ( $I_{sc}$ )	+0.05 %/°C
Nominal operating cell temperature	45 ± 2 °C

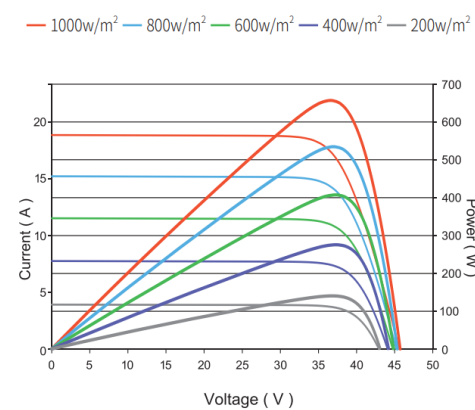
## Packaging Configuration

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

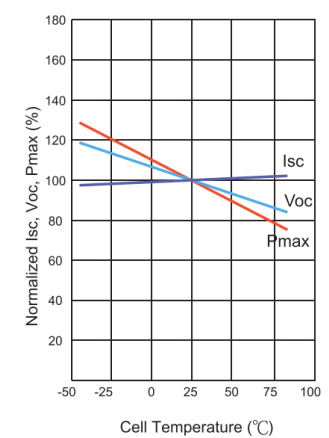
## Module Dimensions (mm)



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



## Temperature Dependence of $I_{sc}$ , $V_{oc}$ , $P_{max}$



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