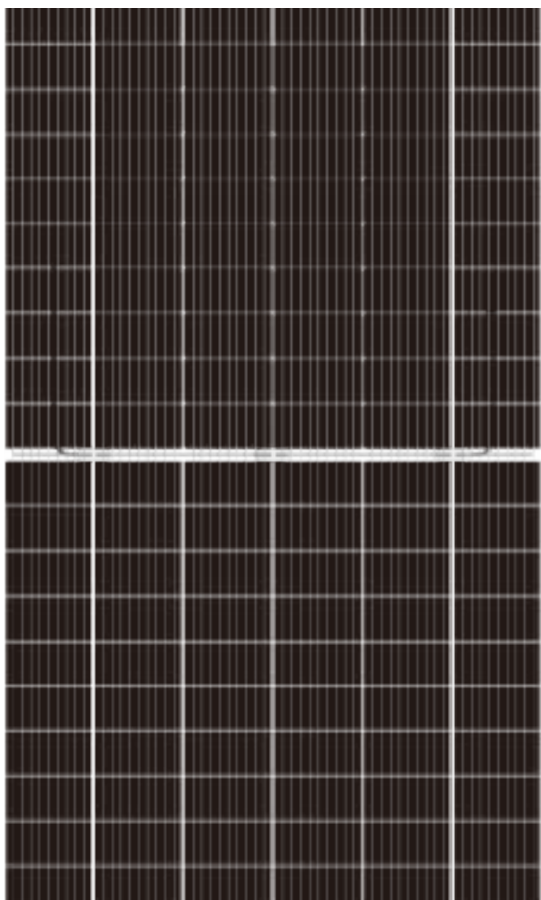


# Sunova Solar Panels

HI-GILO Series  
SS-BG600-60MDH-G12  
**585-600Wp**



Nominal Power: 585-600Wp



Wind/Snow Load: 2400/5400Pa



Dimension: 2172 x 1303 x 35mm



Efficiency: Up to 21.2 %

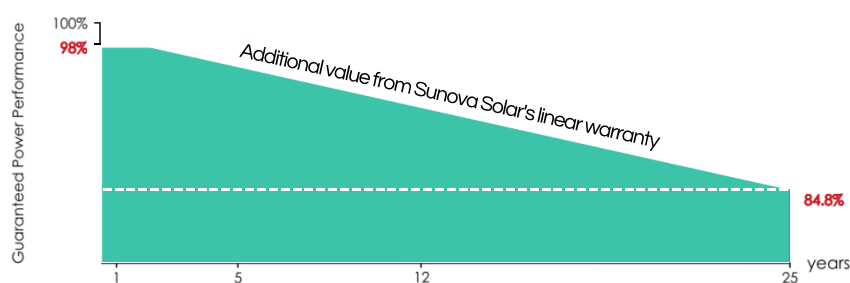


Maximum System Voltage: 1500 V



Weight: 35.3 kg

## Linear Performance Warranty



**25 Years**

Linear power  
guarantee

**15 Years**

Product quality  
&  
process  
guarantee

**0.55 %**

Annual  
Degradation  
Over 25 years

## Comprehensive Certificates

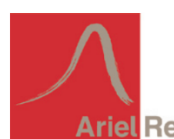


ISO 9001: Quality Management System

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-BG585-60MDH-G12		SS-BG590-60MDH-G12		SS-BG595-60MDH-G12		SS-BG600-60MDH-G12	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — $P_{mp}$ (W)	585	443	590	447	595	451	600	454
Open-circuit voltage — $V_{oc}$ (V)	41.13	38.73	41.31	38.92	41.54	39.12	41.72	39.32
Short-circuit current — $I_{sc}$ (A)	18.26	14.72	18.31	14.76	18.36	14.80	18.42	14.84
Maximum power voltage — $V_{mp}$ (V)	34.04	31.72	34.21	31.92	34.41	32.06	34.63	32.21
Maximum power current — $I_{mp}$ (A)	17.19	13.97	17.25	14.01	17.31	14.07	17.34	14.11
Module efficiency — $\eta_m$ (%)	20.7%		20.8%		21.0%		21.2%	

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

## Electrical Characteristics with Different Power Bin

(Reference to 10% Irradiance Ratio)

Maximum power — $P_{mp}$ (W)	626	631	637	642
Open-circuit voltage — $V_{oc}$ (V)	41.13	41.31	41.54	41.72
Short-circuit current — $I_{sc}$ (A)	19.58	19.63	19.71	19.74
Maximum power voltage — $V_{mp}$ (V)	34.04	34.21	34.41	34.63
Maximum power current — $I_{mp}$ (A)	18.40	18.45	18.52	18.55
Irradiance ratio (rear/front)	10%			

## Structural Characteristics

Module size (L*W*H)	2172 x 1303 x 35 mm
Weight	35.3 kg
Number of cells	120 cells
Cell	PERC Monocrystalline 210x105 mm
Glass	2.0 mm High Transmission, Antireflection Coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 bypass diodes
Output wire	4.0 mm <sup>2</sup>
Wire length	300 mm or Customized Length
Connector	MC4 Compatible
Packing Specification	31 pcs/Pallet; 558 pcs/40'HQ

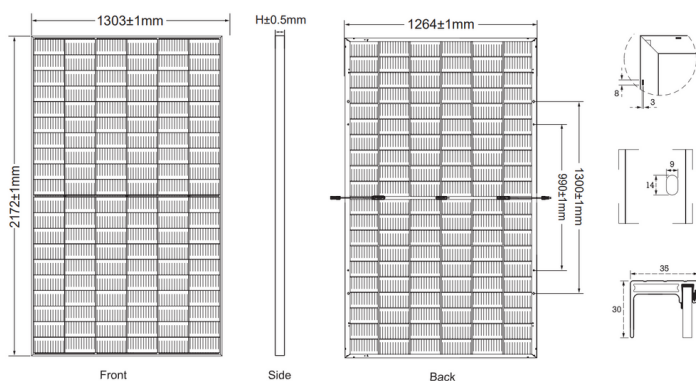
## Temperature Performance Ratings

Temperature coefficient ( $P_{max}$ )	-0.34%/°C
Temperature coefficient ( $V_{oc}$ )	-0.25%/°C
Temperature coefficient ( $I_{sc}$ )	+0.04%/°C
Nominal operating cell temperature	43±2 °C

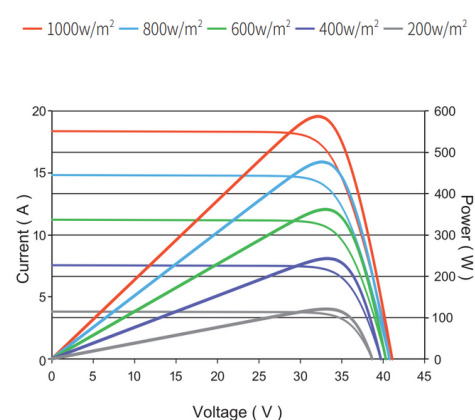
## Operating Parameters

Power tolerance (W)	(0,+5)
Maximum system voltage (V)	1500
Maximum rated fuse current (A)	35
Current operating temperature (°C)	-40~+85 °C
Mechanical load	5400 Pa / 2400 Pa

## Module Dimensions (mm)



## Current-Voltage & Power-Voltage Curves (595W)



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

