



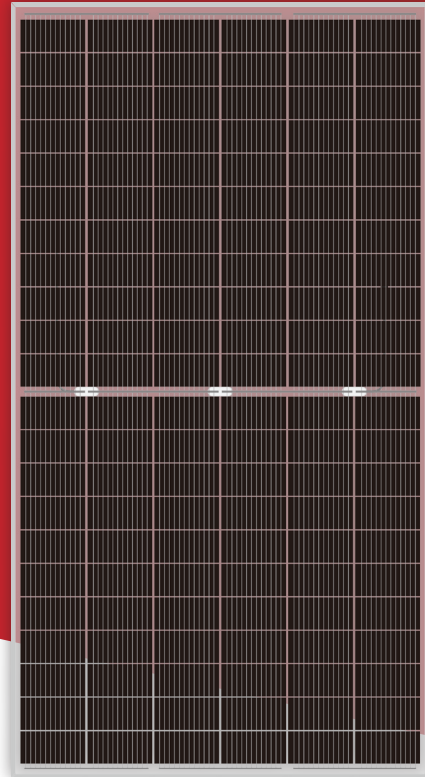
# SUNOVA SOLAR

Leading one-stop PV Supplier

## HI-C ILO

# 655-670W

High Efficiency Bifacial Dual Glass Mono Module



Bifacial technology enables additional energy harvesting from rear side (up to 30%)



Excellent low irradiance performance.



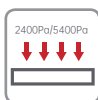
Better light trapping and current collection to improve module power output and reliability.



Industry leading lowest thermal co-efficient of power.



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

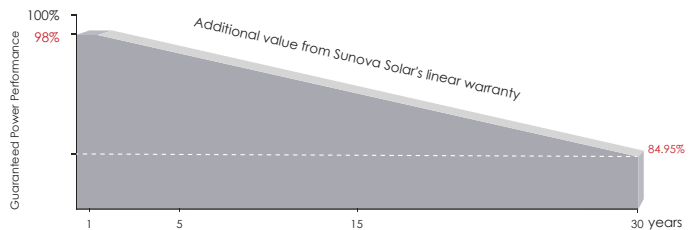


Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



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

### LINEAR PERFORMANCE WARRANTY



**15** years

Product quality & process guarantee

**30** years

Linear power guarantee

**0.45** %

Annual Degradation Over 30 years

### COMPREHENSIVE CERTIFICATES



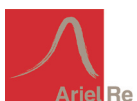
ISO 9001: Quality Management System

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.

### PERFORMANCE INSURANCE



**中国平安**

PING AN P & C INSURANCE CO CN SZX

## ELECTRIC CHARACTERISTICS

Model of modules	SS-BG655-66MDH-G12		SS-BG660-66MDH-G12		SS-BG665-66MDH-G12		SS-BG670-66MDH-G12	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — $P_{mp}$ (W)	655	495	660	498	665	502	670	506
Open-circuit voltage — $V_{oc}$ (V)	45.65	42.94	45.87	43.12	46.04	43.31	46.26	43.53
Short-circuit current — $I_{sc}$ (A)	18.50	15.04	18.55	15.06	18.61	15.08	18.64	15.13
Maximum power voltage — $V_{mp}$ (V)	37.67	35.02	37.88	35.17	38.05	35.38	38.24	35.59
Maximum power current — $I_{mp}$ (A)	17.39	14.14	17.43	14.16	17.48	14.19	17.53	14.22
Module efficiency — $\eta_m$ (%)	21.1%		21.2%		21.4%		21.6%	

**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 DIERENT POWER BIN (REFERENCE TO 10% IRRADIANCE RATIO)

Maximum power — $P_{mp}$ (W)	701	706	712	717
Open-circuit voltage — $V_{oc}$ (V)	45.65	45.87	46.04	46.26
Short-circuit current — $I_{sc}$ (A)	19.80	19.83	19.92	19.95
Maximum power voltage — $V_{mp}$ (V)	37.67	37.88	38.05	38.24
Maximum power current — $I_{mp}$ (A)	18.61	18.64	18.72	18.76
Irradiance ratio (rear/front)	10%			

## STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2384 x 1303 x 35 mm (93.86 x 51.30 x 1.38 inch)
Weight	38.5 kg (84.88 lbs)
Number of cells	132 cells
Cell	PERC Monocrystalline 210x105 mm (8.27 x 4.13 inch)
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	300mm/customized
Connector	MC4 Compatible
Packing Specification	31 pcs/Pallet; 558 pcs/40'HQ

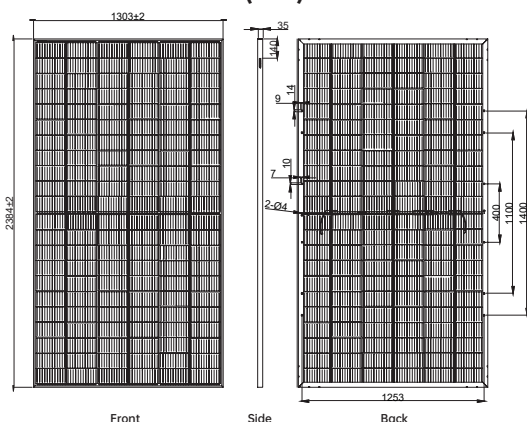
## OPERATING PARAMETERS

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

## TEMPERFORMANCE RATINGS

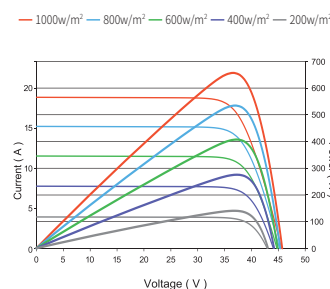
Temperature coefficient ( $P_{max}$ )	-0.34%/°C
Temperature coefficient ( $V_{oc}$ )	-0.25%/°C
Temperature coefficient ( $I_{sc}$ )	+0.04%/°C
Nominal operating cell temperature	43±2 °C

## MODULE DIMENSIONS (MM)



\* The unmarked tolerance is ±1 mm  
Length shown in mm

Current-Voltage & Power-Voltage Curves (665W)



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

