

# ні- © ісо 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

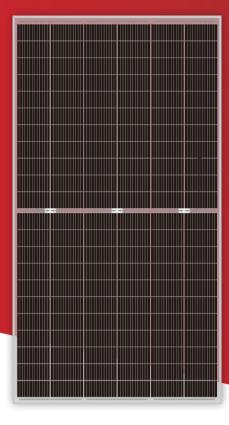
### PERFORMANCE INSURANCE



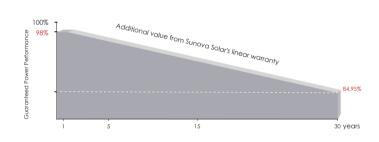




\* Optional performance warranty insurance. Please contact our local sales staff for more information.



# LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee

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

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.

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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
$\operatorname{Maximum power} - \operatorname{P}_{\operatorname{mp}}(\operatorname{W})$	655	495	660	498	665	502	670	506
Open-circuit voltage — V <sub>oc</sub> (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
${\it Maximum power voltage-V_{mp}(V)}$	37.67	35.02	37.88	35.17	38.05	35.38	38.24	35.59
${\rm Maximum\ power\ current-I_{mp}\ (A)}$	17.39	14.14	17.43	14.16	17.48	14.19	17.53	14.22
Module efficiency $-\eta_m$ (%)	20.4%		20.6%		20.7%		20.9%	

 $\textbf{STC} \quad \text{(Standard Testing Conditions): Irradiance 1000W/m}^2, \text{ Cell Temperature 25 °C , Spectra at AM1.5}$ 

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 13.5% IRRADIANCE RATIO)**

Maximum power — P <sub>mp</sub> (W)	717	722	728	733
Open-circuit voltage — $V_{oc}$ (V)	45.65	45.87	46.04	46.26
Short-circuit current $-I_{sc}(A)$	20.25	20.30	20.37	20.40
${\rm Maximum\ power\ voltage-V_{mp}(V)}$	37.67	37.88	38.05	38.24
Maximum power current $-I_{mp}$ (A)	19.03	19.08	19.13	19.19

#### STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2384 x 1303 x 35 mm
Weight	38.8 kg
Cell	132 cells, PERC Monocrystalline 210x105 mm
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
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; 527 pcs/40'HQ

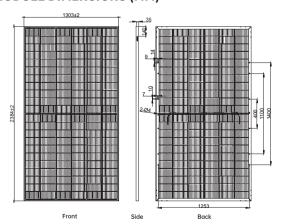
#### **OPERATING PARAMETERS**

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

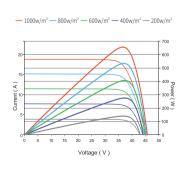
#### **TEMPERATURE RATINGS**

Temperature coefficient (P <sub>max</sub> )	-0.35%/°C
Temperature coefficient ( $V_{oc}$ )	-0.28 %/°C
Temperature coefficient $(I_{sc})$	+0.04 %/°C
Nominal operating cell temperature	43±2 ℃

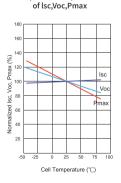
#### **MODULE DIMENSIONS (MM)**



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



#### Temperature Dependence



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



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\* The technical parameters contained in this datasheet may deviate slightly, Sunova Solar does not guarantee that they are completely accurate. Varying optional data could be for different regions or prices. Please contact commercial people for confirmation. Due to continuous innovation, research and development and product improvement, Sunova Solar reserves the right to adjust the information in this datasheet at any time without prior notice. The customer should obtain the latest version of datasheet when signing the contract and make it an integral part of the binding contract signed by both parties. The Chinese (or other language) translation files of this datasheet are for reference only. If there is any inconsistency between the English version and the Chinese version (or other language versions), the English version shall prevail.