



NESE 675-66MHB-G12

12BB HALF-CELL PERC BIFACIAL DOUBLE GLASS
MODULE



Global, Tier1 bankable brand, with independently certified advanced automated manufacturing

KEY FEATURES



High efficiency PERC

A high efficiency 210 (G12) PERC solar cell with 12 busbars technology to ensure the efficiency of the solar module up to 21.73% and stable operation.



Bifacial power generation

Increases 10-30% power generation revenue.



Wind/Snow load

Wind load 2400 pa, snow load 5400 pa.



Pid free

Excellent Anti-PID performance, minimized the degradation of power.



Excellent performance with weak light

More power output with a weak light condition-through advanced glass and solar cells.

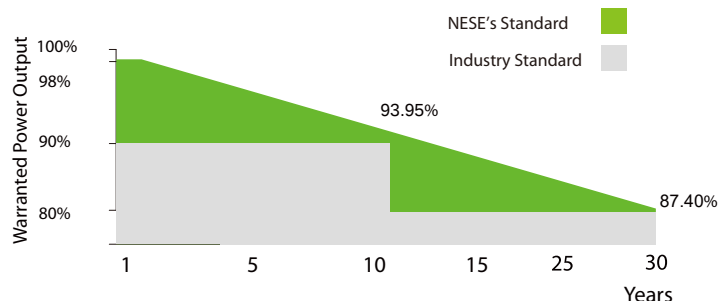


Resistance of extreme environment conditions

High salt mist and ammonia resistance certified by TUV.

LINEAR PERFORMANCE WARRANTY

12 YEARS PRODUCT WARRANTY. 30 YEARS LINEAR POWER WARRANTY.



MANAGEMENT SYSTEM CERTIFICATES

ISO 9001/ISO 14001/ISO 45001

SA 8000/ISO 50001/ISO 37001

PRODUCT CERTIFICATES

IEC 61215/IEC 61730:VDE/CE/CEC AU

UL 61730: CSA

IEC 61701/IEC 62716/IEC 62804

ENVIRONMENT CERTIFICATES

ISO 14064/ISO 14067

INSURED BY



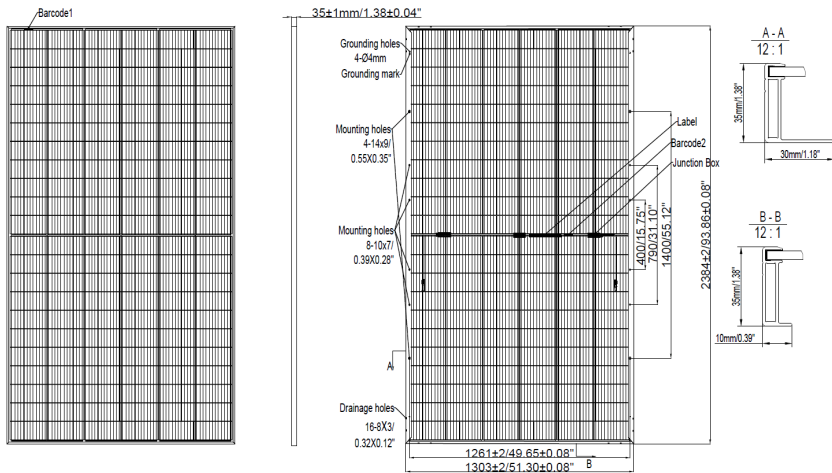
SPECIFICATIONS

Module type	NESE 655-66MHB-G12		NESE 660-66MHB-G12		NESE 665-66MHB-G12		NESE 670-66MHB-G12		NESE 675-66MHB-G12	
	STC	(NMOT)	STC	(NMOT)	STC	(NMOT)	STC	(NMOT)	STC	(NMOT)
Maximum power(Pmax)	655Wp	492Wp	660Wp	496Wp	665Wp	500Wp	670Wp	504Wp	675Wp	507Wp
Maximum power voltage(Vmp)	37.9V	35.4V	38.1V	35.6V	38.3V	35.7V	38.5V	35.9V	38.7V	36.1V
Maximum power current (Imp)	17.29A	13.92A	17.33A	13.95A	17.37A	13.99A	17.41A	14.03A	17.45A	14.07A
Open-circuit voltage(Voc)	45.4V	42.6V	45.6V	42.8V	45.8V	43.0V	46.0V	43.2V	46.2V	43.4V
Short-circuit current(Isc)	18.32A	14.79A	18.37A	14.83A	18.42A	14.87A	18.47A	14.91A	18.52A	14.95A
Module efficiency stc (%)	21.09%		21.25%		21.41%		21.57%		21.73%	
Operating temperature(°C)	-40°C ~ 85°C									

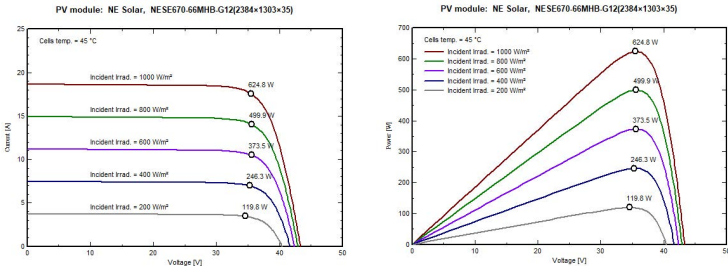
ELECTRICAL CHARACTERISTICS AT BNPI (BSI)

Front power Pmax/W	655		660		665		670		675	
Total power Pmax/W	717 (793)		722 (799)		728 (805)		733 (811)		739 (817)	
Vmp/V(Total)	37.9 (38.0)		38.1 (38.2)		38.3 (38.4)		38.5 (38.6)		38.7 (38.8)	
Imp/A(Total)	18.92 (20.92)		18.97 (20.97)		19.01 (21.02)		19.06 (21.07)		19.10 (21.11)	
Voc/V(Total)	45.4 (45.5)		45.6 (45.7)		45.8 (45.9)		46.0 (46.1)		46.2 (46.3)	
Isc/A(Total)	20.05 (22.17)		20.11 (22.23)		20.16 (22.29)		20.22 (22.35)		20.27 (22.41)	

ENGINEERING DRAWING



IV CURVES OF THE PV MODULES



Electrical performance vs Incident Irradiance Current-voltage & power-voltage curves (670W)

TEMPERATURE RATINGS

NOCT	43±2°C
Temperature coefficients of Pmax	-0.34%/°C
Temperature coefficients of Voc	-0.29%/°C
Temperature coefficients of Isc	+0.05%/°C
Refer. Bifacial Factor	70±10%

MATERIAL CHARACTERISTICS

Number of cell	132 (6*22)
Dimensions	2384*1303*35mm 93.86"*51.30"*1.38"
Weight	47.1+/-1.0kg 103.84+/-2.20lb
Glass	3.2mm+2.0mm AR Coated tempered +Glazed heat strengthened glass
Frame	Anodized aluminium alloy

WORKING CONDITIONS

Maximum system voltage	1000/1500 VDC
Maximum series fuse rating	35A
Connectors	MC4-Compatible

Module Fire Performance	Type 29/Class C
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PACKAGING CONFIGURATION

40HQ	527PCS
Pallet Dimension	1100*1320*2489mm 43.31"*51.97"*97.99"
Pallets in one Container	17Pallets
Modules in one Pallet	31Pcs