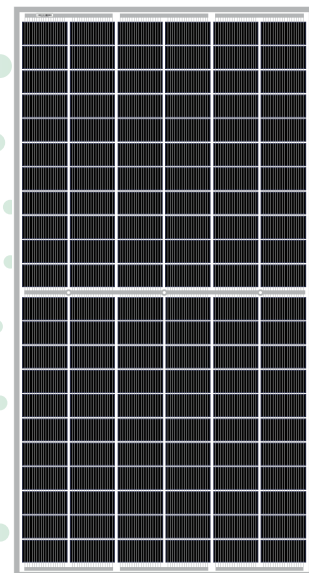


NESE 715-66THB-G12

18BB HALF-CELL N-TYPE TOPCON BIFACIAL DOUBLE GLASS MOUDLE



KEY FEATURES



High efficiency TOPCon

A high efficiency 210 (G12) TOPCon solar cell with 18 busbars technology to ensure the efficiency of the solar module up to 23.02% 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.

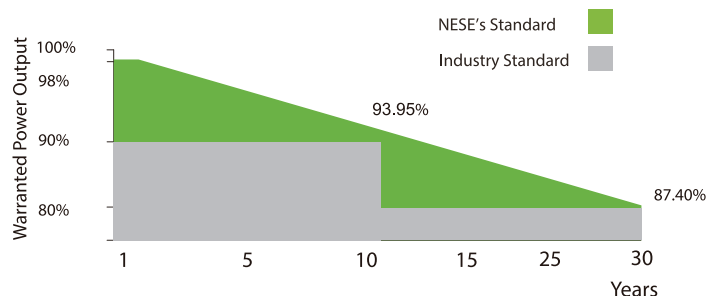


Resistance of extreme environment conditions

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



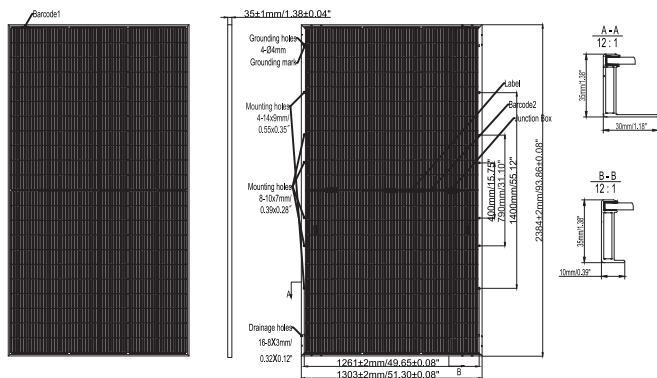
SPECIFICATIONS

Module type	NESE 695-66THB-G12		NESE 700-66THB-G12		NESE 705-66THB-G12		NESE 710-66THB-G12		NESE 715-66THB-G12	
	STC	(NMOT)	STC	(NMOT)	STC	(NMOT)	STC	(NMOT)	STC	(NMOT)
Maximum power(Pmax)	695Wp	528Wp	700Wp	532Wp	705Wp	534Wp	710Wp	537Wp	715Wp	541Wp
Maximum power voltage(Vmp)	40.3V	37.8V	40.5V	38.0V	40.7V	38.1V	40.9V	38.2V	41.1V	38.4V
Maximum power current (Imp)	17.25A	13.97A	17.29A	14.00A	17.33A	14.04A	17.37A	14.07A	17.41A	14.10A
Open-circuit voltage(Voc)	48.1V	45.5V	48.3V	45.7V	48.5V	45.8V	48.7V	45.9V	48.7V	46.0V
Short-circuit current(Isc)	18.23A	14.70A	18.27A	14.74A	18.31A	14.78A	18.35A	14.81A	18.35A	14.85A
Module efficiency stc (%)	22.37%		22.53%		22.70%		22.86%		23.02%	
Operating temperature(°C)	-40°C ~ 85°C									

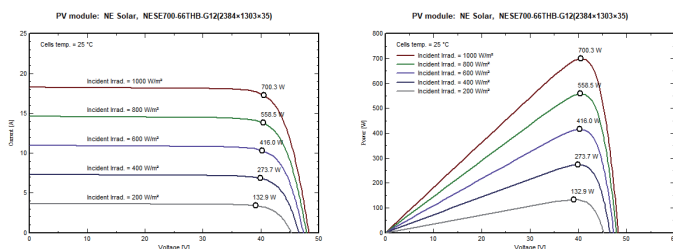
ELECTRICAL CHARACTERISTICS AT BNPI (BSI)

Front power Pmax/W	695		700		705		710		715	
Total power Pmax/W	770 (862)		776 (868)		781 (874)		787 (880)		792 (887)	
Vmp/V(Total)	40.3 (40.4)		40.5 (40.6)		40.7 (40.8)		40.9 (41.0)		41.1 (41.2)	
Imp/A(Total)	19.11 (21.39)		19.16 (21.44)		19.20 (21.49)		19.25 (21.54)		19.29 (21.59)	
Voc/V(Total)	48.1 (48.2)		48.3 (48.4)		48.5 (48.6)		48.7 (48.8)		48.9 (49.0)	
Isc/A(Total)	20.20 (22.61)		20.24 (22.65)		20.29 (22.70)		20.33 (22.75)		20.38 (22.80)	

ENGINEERING DRAWING



IV CURVES OF THE PV MODULES



Electrical performance vs Incident Irradiance Current-voltage & power-voltage curves (700W)

TEMPERATURE RATINGS

NOCT	43±2°C	Number of cell	132 (6*22)
Temperature coefficients of Pmax	-0.30%/°C	Dimensions	2384*1303*35mm 93.86"*51.30"*1.38"
Temperature coefficients of Voc	-0.25%/°C	Weight	38.5+/-1.0kg 84.88+/-2.20lb
Temperature coefficients of Lsc	+0.046%/°C	Front glass	2.0mm+2.0mm heat strengthened glass
Refer. Bifacial Factor	80±10%	Frame	Anodized aluminium alloy

WORKING CONDITIONS

Maximum system voltage	1000/1500 VDC	Junction box	Ip68,3 diodes
		Cables	Length: 350mm/13.78" or Customized, 12 AWG
Maximum series fuse rating	35A	Connectors	MC4-Compatible

Module Fire Performance

Type 29/Class C

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