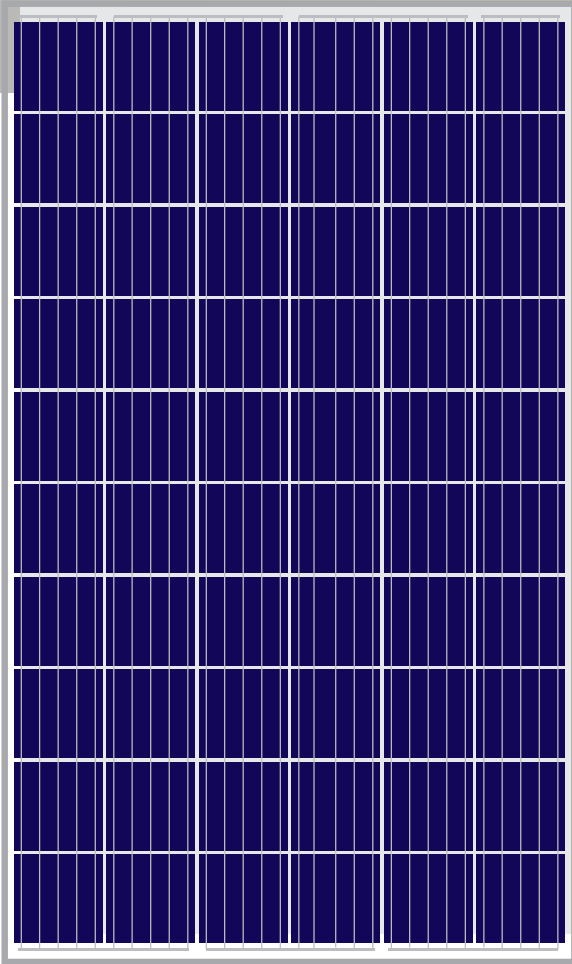




FROM STRENGTH TO STRENGTH IN NATURE

NESE 290-60P/PV POLY PERC SOLAR MODULE

FROM CAMBODIA

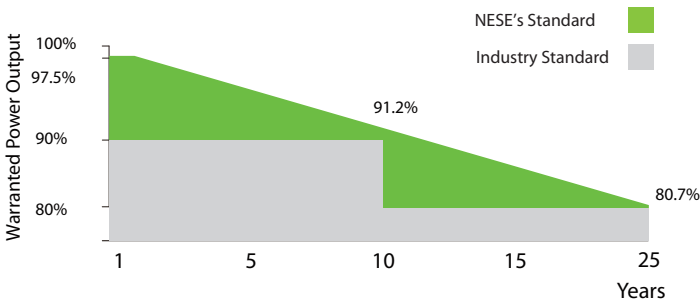


INSURED BY

CHUBB® Munich RE 

LINEAR PERFORMANCE WARRANTY

12 years product warranty. 25 years linear power warranty.



KEY FEATURES



High efficiency PERC

A high efficiency PERC solar cell with 5 busbar technology to ensure the efficiency of the solar module up to 17.72% and stable operation.



0-5W tolerance

0- 5W positive power tolerance.



Excellent performance with weak light

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



Wind/Snow load

Wind load 2400 pa, snow load 5400 pa.



Pid Free

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



Resistance of extreme environment conditions

High Salt Mist and Ammonia resistance certified by TUV.

MANAGEMENT SYSTEM CERTIFICATES

ISO 9001:2015/QUALITY MANAGEMENT SYSTEM
ISO 14001:2015/STANDARDS FOR ENVIRONMENTAL MANAGEMENT SYSTEM

PRODUCT CERTIFICATES

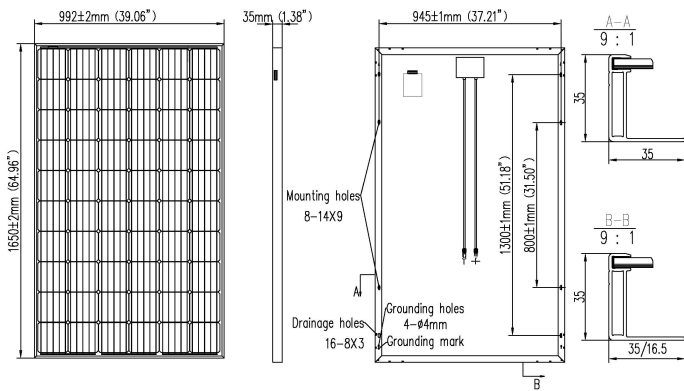
IEC 61215/IEC 61730:VDE/CE/CEC AU
UL 61730: CSA



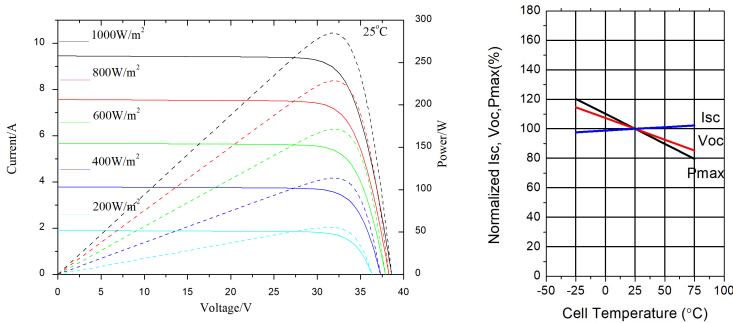
SPECIFICATIONS

Module type	NESE 270-60P/PV		NESE 275-60P/PV		NESE 280-60P/PV		NESE285-60P/PV		NESE290-60P/PV	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power(Pmax)	270Wp	199Wp	275Wp	203Wp	280Wp	206Wp	285Wp	210Wp	290Wp	214Wp
Maximum power voltage(Vmp)	31.2	28.8V	31.3V	28.9V	31.4V	29.1V	31.5V	29.3V	31.6V	29.5V
Maximum power current (Imp)	8.67A	6.93A	8.79A	7.04A	8.92A	7.11A	9.05A	7.18A	9.18A	7.25A
Open-circuit voltage(Voc)	38.9V	35.4V	39.0V	35.6V	39.1V	35.5V	39.2V	35.6V	39.3V	35.7V
Short-circuit current(Isc)	9.09A	7.42A	9.19A	7.56A	9.29A	7.56A	9.39A	7.63A	9.50A	7.70A
Module efficiency STC (%)	16.50%		16.80%		17.11%		17.41%		17.72%	
Operating temperature(°C)	-40°C ~ 85°C									
Maximum system voltage	1000/1500 (IEC&UL)									
Maximum series fuse rating	20A									
Sorting power tolerance	0 ~ +3%									
Temperature coefficients of Pmax	-0.37%/°C									
Temperature coefficients of Voc	-0.29%/°C									
Temperature coefficients of Isc	+0.06%/°C									
Nominal operating cell temperature(NOCT)	45 ± 2°C									

ENGINEERING DRAWING



ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



Electrical performance & temperature dependence
Current-voltage & power-voltage curves (290W)
temperature dependence of Isc, Voc, Pmax

MATERIAL CHARACTERISTICS

Number of cell	60 (6 * 10)
Dimensions	1650*992*35
Weight	18.3kg
Front glass	3.2mm, anti-reflection Coating, high transmission, low iron, tempered glass
Frame	Anodized aluminium alloy
Junction box	Ip67 rated or higher rated
Output cables	12 awg, length: 900-1200 mm (35.43-47.24 inch) or Customized length
PACKAGING CONFIGURATION	
20GP	360PCS
40GP	840PCS
40HQ	910PCS