

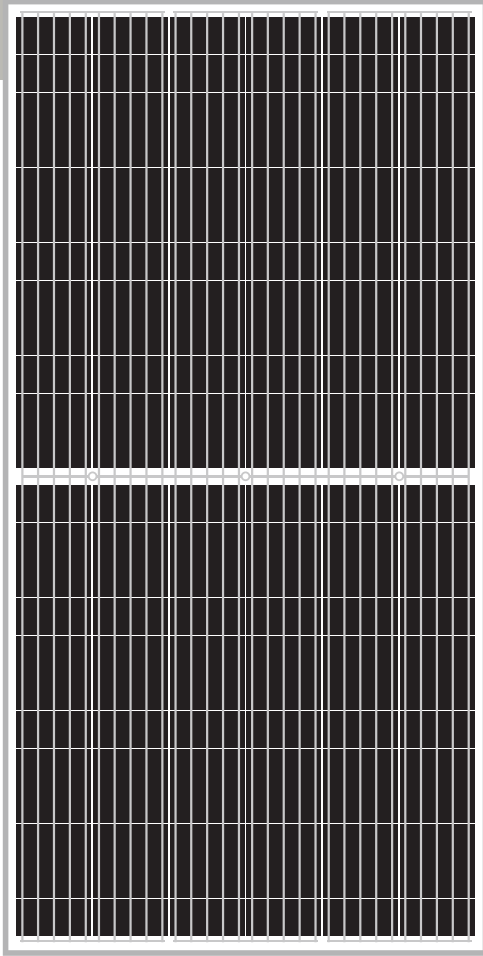


FROM STRENGTH TO STRENGTH IN NATURE

# NESE 415-72MH

## MONO PERC SOLAR MOUDULE

FROM CAMBODIA



### 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 20.46% 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

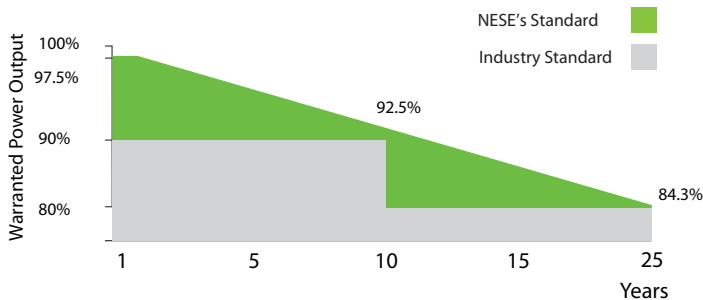
High Salt Mist and Ammonia resistance certified by TUV.

### INSURED BY

CHUBB® Munich RE 

### LINEAR PERFORMANCE WARRANTY

12 years product warranty. 25 years linear power warranty.



### 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



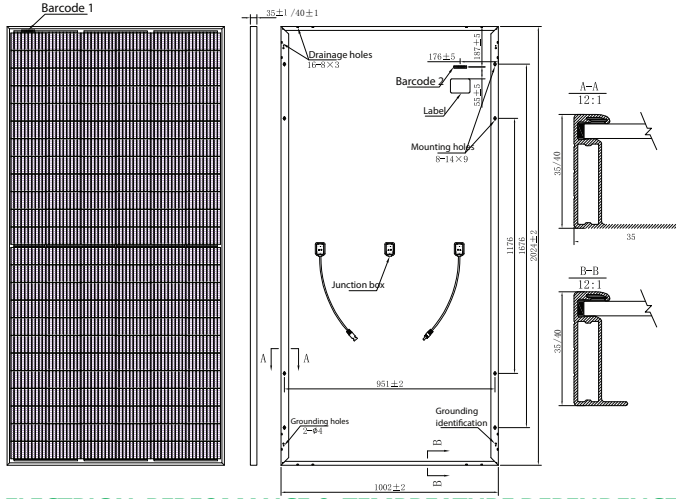
PHUM TANOUN, SANGKAT KOMBOUL, KHAN POSENCHAY, PHNOM PENH, KINGDOM OF CAMBODIA

WWW.NESOLAR.COM.KH

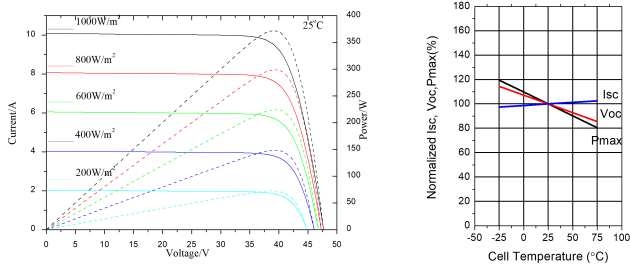
# SPECIFICATIONS

Module type	NESE 395-72MH		NESE 400-72MH		NESE 405-72MH		NESE410-72MH		NESE415-72MH	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power(Pmax)	395Wp	293Wp	400Wp	296Wp	405Wp	300Wp	410Wp	304Wp	415Wp	307Wp
Maximum power voltage(Vmp)	40.8	37.8V	41.0V	38.0V	41.2V	38.2V	41.4V	38.4V	41.6V	38.6V
Maximum power current (Imp)	9.69A	7.74A	9.76A	7.80A	9.84A	7.86A	9.91A	7.91A	9.98A	8.02A
Open-circuit voltage( Voc)	48.9V	45.3V	49.1V	45.5V	49.3V	45.7V	49.5V	45.9V	49.7V	46.1V
Short-circuit current(Isc)	10.16A	8.21A	10.24A	8.27A	10.32A	8.34A	10.40A	8.40A	10.48A	8.47A
Module efficiency STC (%)	19.48%		19.72%		19.97%		20.22%		20.46%	
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	-0.36%/°C									
Temperature coefficients of Voc	-0.27%/°C									
Temperature coefficients of Isc	+0.04%/°C									
Nominal operating cell temperature(NOCT)	45 ± 2°C									

## ENGINEERING DRAWING



## ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



Electrical performance & temperature dependence  
Current-voltage & power-voltage curves (415W)  
temperature dependence of Isc, Voc, Pmax

## MATERIAL CHARACTERISTICS

Number of cell	144 (6 * 24)
Dimensions	2024*1002*35/40
Weight	22.5/22.6kg
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
<b>PACKAGING CONFIGURATION</b>	
20GP	270/300PCS
40GP	594/660PCS
40HQ	638/715PCS