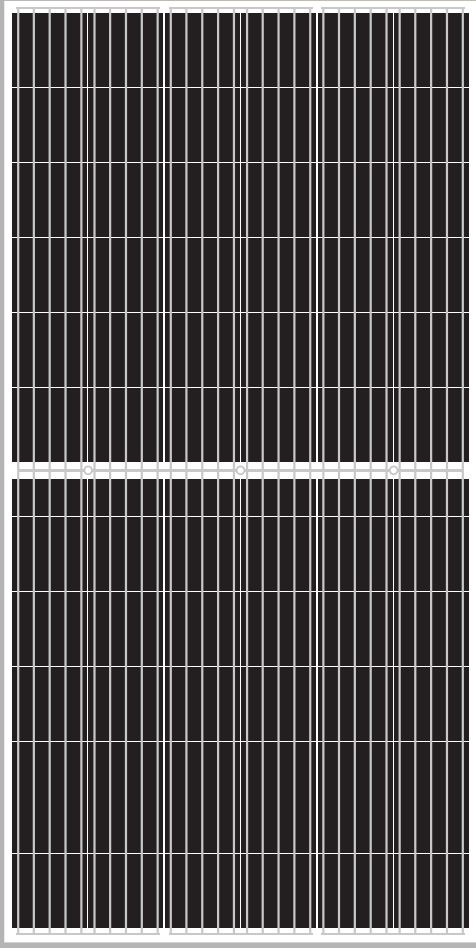




FROM STRENGTH TO STRENGTH IN NATURE

# NESE 410-72MHB

MONO PERC SOLAR MOUDLE  
FROM CAMBODIA



INSURED BY



## 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 20.00% and stable operation.



### Bifacial power generation

Increases 10-30% power generation revenue.



### 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.

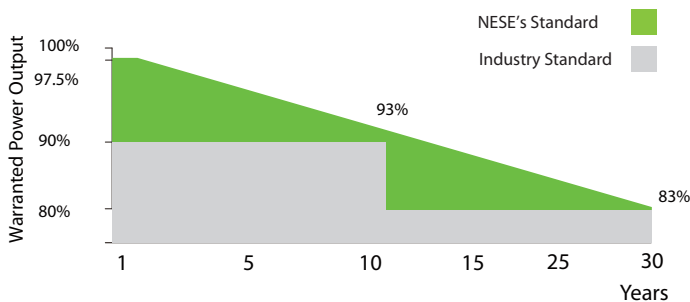


### Resistance of extreme environment conditions

High Salt Mist and Ammonia resistance certified by TUV.

## LINEAR PERFORMANCE WARRANTY

12 years product warranty. 30 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



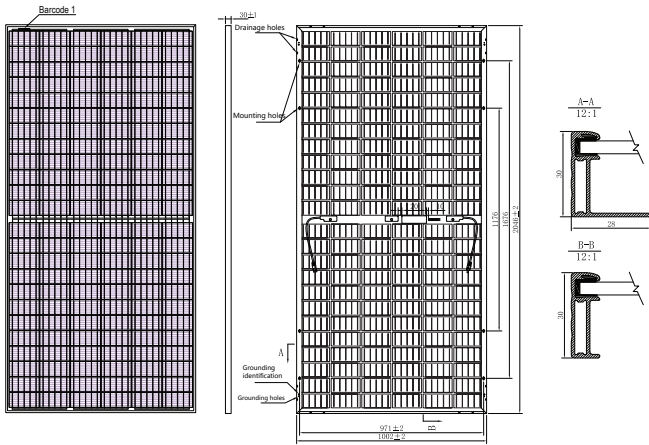
PHUM TANOUN, SANGKAT KOMBOUL, KHAN POSENCHAY, PHNOM PENH, KINGDOM OF CAMBODIA

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# SPECIFICATIONS

Module type	NESE 390-72MHB		NESE 395-72MHB		NESE 400-72MHB		NESE405-72MHB		NESE410-72MHB	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power(Pmax)	390Wp	286Wp	395Wp	290Wp	400Wp	293Wp	405Wp	298Wp	410Wp	301Wp
Maximum power voltage(Vmp)	40.5	37.3V	40.7V	37.5V	40.9V	37.7V	41.1V	38.0V	41.3V	38.2V
Maximum power current (Imp)	9.63A	7.66A	9.71A	7.72A	9.78A	7.78A	9.86A	7.83A	9.93A	7.88A
Open-circuit voltage( Voc)	48.6V	44.9V	48.8V	45.1V	49.0V	45.3V	49.2V	45.6V	49.4V	45.8V
Short-circuit current(Isc)	10.16A	8.21A	10.24A	8.27A	10.32A	8.34A	10.40A	8.40A	10.49A	8.47A
Module efficiency STC (%)	19.02%		19.27%		19.51%		19.76%		20.00%	
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	-0.29%/°C									
Temperature coefficients of Isc	+0.05%/°C									
Nominal operating cell temperature(NOCT)	45 ± 2°C									
Refer. Bifacial Factor	70 ±5%									

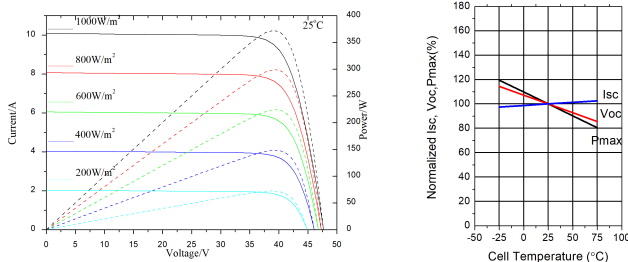
## ENGINEERING DRAWING



## MATERIAL CHARACTERISTICS

Number of cell	144 (6 * 24)
Dimensions	2046*1002*30
Weight	26.5kg
Front glass	2.0mm+2.0mm heat strengthened glass
Frame	Anodized aluminium alloy
Junction box	Ip67 rated or higher rated
Output cables	12 awg, length: 350 mm (13.78inch) or Customized length

## ELECTRICAL PERFORMANCE & TEMPREATURE DEPENDENCE



Electrical performance & temperature dependence  
Current-voltage & power-voltage curves (410W)  
temperature dependence of Isc, Voc, Pmax

## PACKAGING CONFIGURATION

20GP	360PCS
40GP	792PCS
40HQ	836PCS