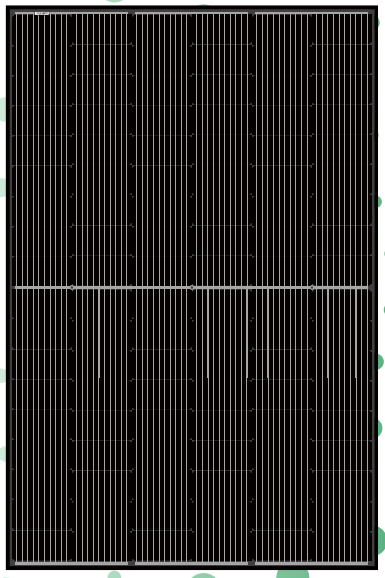
NE SOLAR

NESE 410-54MH-M10

MONO PERC HALF-CELL BLACK MODULE



KEY FEATURES

High efficiency perc

A high efficiency 182 (M10) PERC solar cell with 10 busbars technology to ensure the efficiency of the solar module up to 20.97% and stable operation.

0-5w tolerance

0- 5W positive power tolerance.

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

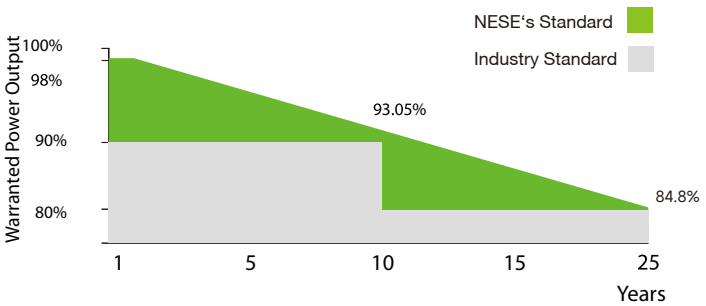
More power output with a weak light condition-through advanced glass and solar cells.

Resistance of extreme environment conditions

High salt mist and ammonia resistance certified by TUV.

LINEAR PERFORMANCE WARRANTY

12 YEARS PRODUCT WARRANTY. 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

INSURED BY

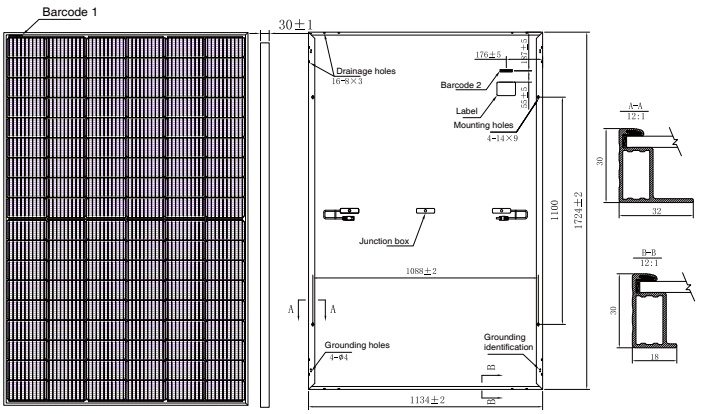
Munich RE CHUBB

PHUM TANOUN, SANGKAT KOMBOUL, KHAN POSENCHEY, PHNOM PENH, KINGDOM OF CAMBODIA
WWW.NESOLAR.COM.KH

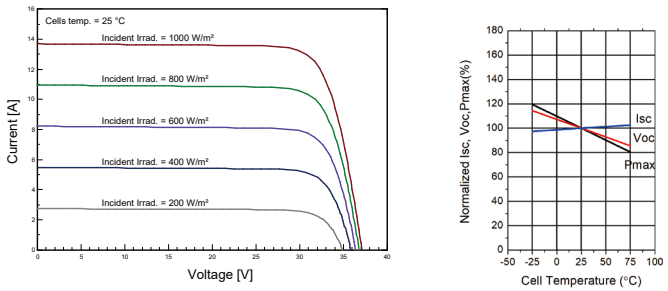
SPECIFICATIONS

Module type	NESE 390-54MH-M10		NESE 395-54MH-M10		NESE 400-54MH-M10		NE5E 405-54MH-M10		NESE 410-54MH-M10	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power(pmax)	390Wp	292Wp	395Wp	295Wp	400Wp	299Wp	405Wp	303Wp	410Wp	306Wp
Maximum power voltage(vmp)	30.5V	28.3V	30.7V	28.5V	30.9V	28.7V	31.1V	28.9V	31.3V	29.1V
Maximum power current (imp)	12.79A	10.29A	12.87A	10.35A	12.95A	10.41A	13.03A	10.47A	13.10A	10.53A
Open-circuit voltage(voc)	36.7V	34.3V	36.9V	34.5V	37.1V	34.7V	37.3V	34.8V	37.5V	35.0V
Short-circuit current(isc)	13.56A	10.95A	13.63A	11.01A	13.70A	11.06A	13.77A	11.12A	13.84A	11.18A
Module efficiency stc (%)	19.95%		20.20%		20.46%		20.72%		20.97%	
Operating temperature(℃)	-40℃ ~ 85℃									
Maximum system voltage	1500(IEC&UL)									
Maximum series fuse rating	25A									
Sorting power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/℃									
Temperature coefficients of Voc	-0.29%/℃									
Temperature coefficients of Isc	+0.05%/℃									
Nominal operating cell temperature(NOCT)	44±2℃									

ENGINEERING DRAWING



ELECTRICAL PERFORMANCE & TEMPREATURE DEPENDENCE



Electrical performance & temperature dependence
Current-voltage & power-voltage curves (400W)
temperature dependence of Isc, Voc, Pmax

MATERIAL CHARACTERISTICS

Number of cell	108 (6*18)
Dimensions	1724*1134*30
Weight	20.5+/-1kg
Front glass	3.2mm, anti-reflectionCoating, high transmission, low iron, tempered glass
Frame	Anodized aluminium alloy
Junction box	IP68 rated 3 Diodes
Output cables	12 awg,length: 350-1200mm (13.78-47.24 inch) or Customized length
Connectors	MC4-Compatible or Customized

PACKAGING CONFIGURATION

40HQ	936PCS

JUNE 2020|ALL RIGHTS RESERVED|PV MODULE PRODUCT DATASHEET NESE 410-540MH-M10
PHUM TANOUN,SANGKAT KOMBOUL, KHAN POSENCHEY, PHNOM PENH,KINGDOM OF CAMBODIA
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