



# N-TYPE HJT HIGH EFFICIENCY BIFACIAL MODULE

## ENEM-210NHHDG132-720-740

# 720-740 W

Power Output Range

# 23.8 %

Maximum Efficiency

# < 0.3 %

Annual Degradation



High Power Output



High anti-LID & anti-PID performance



High Reliability



High Efficiency



N-Type HJT Technology



Lead metallization process



Most stable power temperature coefficient

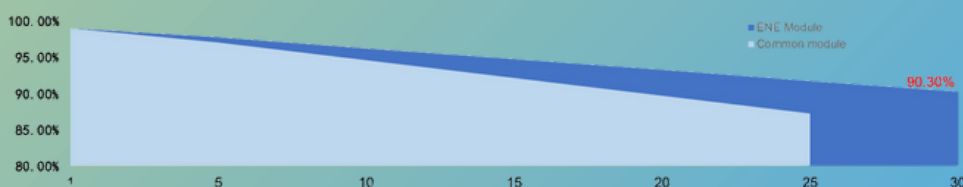


Over 90% bifaciality ratio



**0.3% Annual Degradation over 30 years**

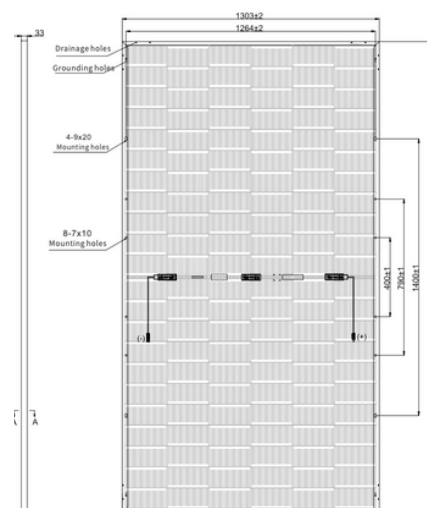
15 years Product Warranty / 30 years Linear Power Warranty



### ELECTRICAL DATA (STC)

Model Type	ENEM-210NHHDG132-720-740				
Rated Power in Watts-Pmax(Wp)	<b>720</b>	<b>725</b>	<b>730</b>	<b>735</b>	<b>740</b>
Open Circuit Voltage-Voc(V)	50.18	50.26	50.33	50.40	50.47
Short Circuit Current-Isc(A)	18.19	18.29	18.38	18.47	18.56
Maximum Power Voltage-Vmpp(V)	42.08	42.14	42.20	42.26	42.32
Maximum Power Current-Impp(A)	17.13	17.23	17.32	17.41	17.50
Module Efficiency (%) ★	23.2	23.3	23.5	23.7	23.8

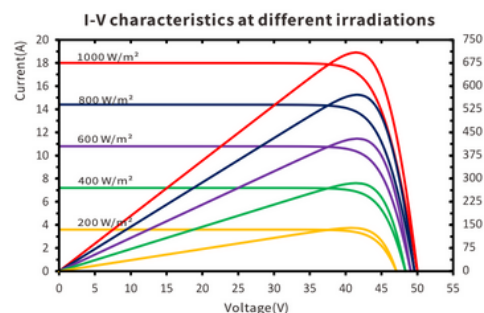
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3



### Electrical characteristics with 10% rear side power gain

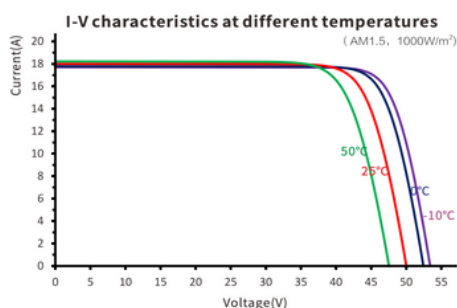
Total Equivalent power - Pmax (Wp)	<b>792</b>	<b>798</b>	<b>803</b>	<b>809</b>	<b>814</b>
Open Circuit Voltage-Voc(V)	50.18	50.26	50.33	50.40	50.47
Short Circuit Current-Isc(A)	20.01	20.12	20.22	20.32	20.42
Maximum Power Voltage-Vmpp(V)	42.08	42.14	42.20	42.26	42.32
Maximum Power Current-Impp(A)	18.84	18.95	19.05	19.15	19.25

Rear side power gain: The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground



### ELECTRICAL DATA (NMOT)

Model Type	ENEM-210NHHDG132-720-740				
Maximum Power-Pmax (Wp)	<b>550</b>	<b>554</b>	<b>557.7</b>	<b>561.3</b>	<b>565.0</b>
Open Circuit Voltage-Voc (V)	47.02	47.09	47.16	47.22	47.29
Short Circuit Current-Isc (A)	14.92	15.00	15.07	15.15	15.22
Maximum Power Voltage-Vmpp (V)	39.34	39.40	39.46	39.51	39.57
Maximum Power Current-Impp (A)	13.98	14.06	14.13	14.21	14.28



### MECHANICAL DATA

Solar cells	n-type HJT
Cell configuration	132 cells (6×11+6×11)
Module dimensions	2384×1303×33mm (93.86×51.30×1.30in)
Weight	37.5kg (82.67 lb)
Superstrate	2.0mm(0.08 in), High Transmission, AR Coated Heat Strengthened Glas
Substrate	2.0mm(0.08 in), Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm <sup>2</sup> , 350mm(13.78in)(+), 230mm(9.06in)(-), connector Included, or customized length
Connector	MC EVO IP68
Maximum mechanical test load	5400 Pa (front) / 2400 Pa(back), under certain installation method

### TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	35A
Limiting Reverse Current	35A

### PACKAGING CONFIGURATION

	<b>40ft(HQ)</b>
Number of modules per container	594
Number of modules per pallet	33
Number of pallets per container	18
Packaging box dimensions (LxWxH) in mm	2520×1125×1320
Box gross weight[kg]	1289

