



N-TYPE HJT HIGH EFFICIENCY BIFACIAL MODULE

ENEM-182NHHDG144-575-600

575-600 W

Power Output Range

23.2 %

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

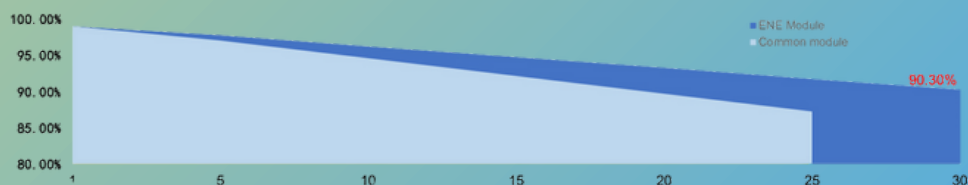


Over 90% bifaciality ratio



0.3% Annual Degradation over 30 years

15 years Product Warranty / 30 years Linear Power Warranty



ELECTRICAL DATA (STC)

Model Type	ENEM-182NHHDG144-575-600					
Rated Power in Watts-Pmax(Wp)	575	580	585	590	595	600
Open Circuit Voltage-Voc(V)	53.72	53.92	54.12	54.31	54.50	54.70
Short Circuit Current-Isc(A)	13.30	13.35	13.40	13.45	13.50	13.55
Maximum Power Voltage-Vmpp(V)	44.79	45.00	45.21	45.42	45.63	45.84
Maximum Power Current-Impp(A)	12.84	12.89	12.94	12.99	13.04	13.09
Module Efficiency (%) ★	22.3	22.5	22.6	22.8	23	23.2

STC: Irradiance 1000 W/m², 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)	644	650	656	661	667	672
Open Circuit Voltage-Voc(V)	53.91	54.11	54.31	54.50	54.69	54.89
Short Circuit Current-Isc(A)	14.92	14.97	15.03	15.08	15.14	15.20
Maximum Power Voltage-Vmpp(V)	44.95	45.16	45.37	45.58	45.79	46.00
Maximum Power Current-Impp(A)	14.35	14.40	14.46	14.52	14.57	14.63

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-182NHHDG144-575-600					
Maximum Power-Pmax (Wp)	439	442	446	450	454	458
Open Circuit Voltage-Voc (V)	51.27	51.46	51.65	51.84	52.02	52.21
Short Circuit Current-Isc (A)	10.63	10.67	10.71	10.75	10.79	10.83
Maximum Power Voltage-Vmpp (V)	42.78	42.99	43.19	43.39	43.59	43.79
Maximum Power Current-Impp (A)	10.26	10.30	10.34	10.38	10.42	10.46

MECHANICAL DATA

Solar cells	n-type HJT
Cell configuration	144 cells (6×12+6×12)
Module dimensions	2278×1134×30mm
Weight	31.3Kg
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 ² , 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	25A
Limiting Reverse Current	25A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	720
Number of modules per pallet	36
Number of pallets per container	30

