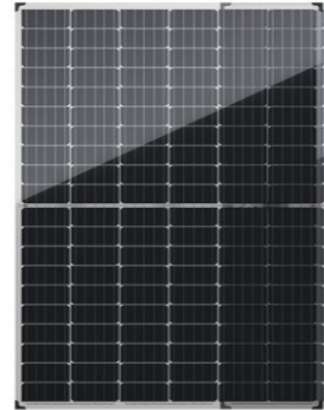


EHeM-Mo

N-Type, Mono-Half Cell Module

415-440 W

ENETRA's redefined mono - half cell module series are integrated with 182mm silicon wafers and combined with creative technology and improved design.



KEY FEATURES



MBB half cut cell with TOPCon technology



PID resistance



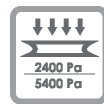
Better low light performance



Less shading effect

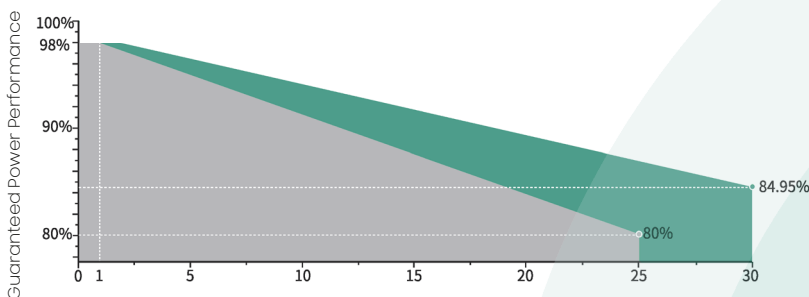


Higher power output



Enhanced mechanical load

WARRANTY



12 Year Product Warranty

30 Year Linear Power Warranty

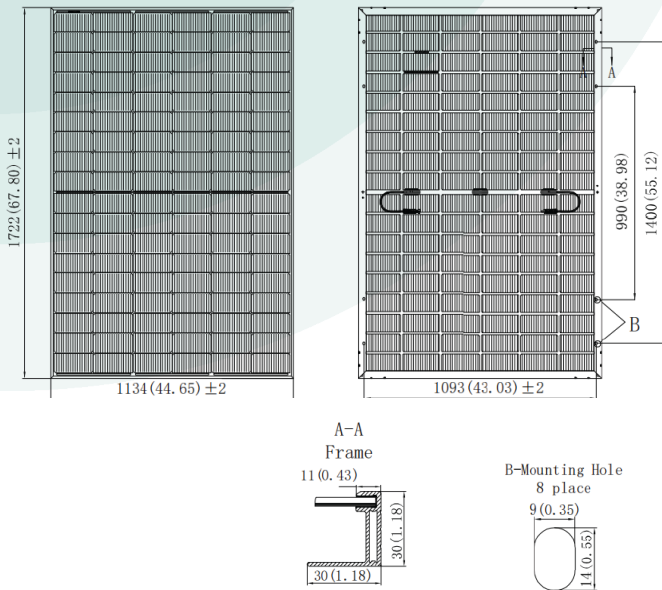
0.5% Annual Degradation Over 30 Years

EHeM-Mo

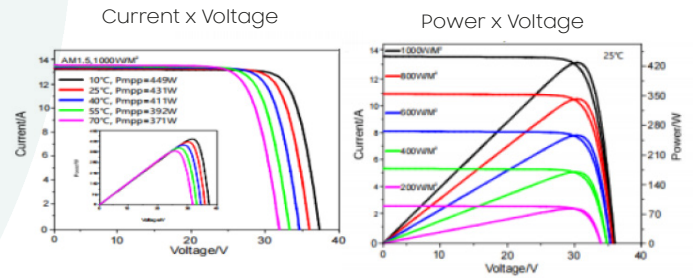
N-Type, Mono-Half Cell Module

415-440 W

ENGINEERING DRAWINGS



Electrical Performance



MECHANICAL CHARACTERISTICS

Cell type	182 N type Mono-crystalline
No. of cells	108 (6x18)
Dimensions	1722x1134x30mm
Weight	23.4 kg
Junction Box	IP>=68, TUV & UL
Cable Length	300mm or as per customer requirement
Cable/Connector	4mm², TS4 / MC4-EVO2
Max. Static Load	Front: 5400Pa and Back: 2400Pa

Packaging Configuration

36pcs/pallet, 936pcs/40'HQ Container

Packaging Configuration

Module Type	EHeM-Mo-415W		EHeM-Mo-420W		EHeM-Mo-425W		EHeM-Mo-430W		EHeM-Mo-435W		EHeM-Mo-440W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (W)	415	312	420	316	425	320	430	324	435	328	440	331
Open Circuit Voltage (V)	37.83	35.94	38.02	36.12	38.21	36.3	38.4	36.48	38.54	36.61	36.68	36.74
Short Circuit Current (A)	13.97	11.28	14.05	11.34	14.13	11.41	14.21	11.47	14.38	11.61	14.55	11.75
Maximum Power Voltage (V)	31.44	29.30	31.63	29.48	31.82	29.65	31.99	29.81	32.12	29.93	32.25	30.06
Maximum Power Current (A)	13.20	10.66	13.28	10.73	13.36	10.79	13.45	10.86	13.55	10.94	13.65	11.03
Module Efficiency (%)	21.25		21.51		21.76		22.02		22.28		22.79	
Tolerance	0~+5W											
Maximum System Voltage	1500V(IEC)											
Temp. Coeff. of Voc	-0.27 % / °C											
Temp. Coeff. of Isc	0.045 % / °C											
Temp. Coeff. of Pm	-0.29 % / °C											
Operational temperature	-40 to -85 °C											
Nominal operating cell temperature (NOCT)	45 +/-2 °C											
Max. Series Fuse	30A											

*STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5, NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s