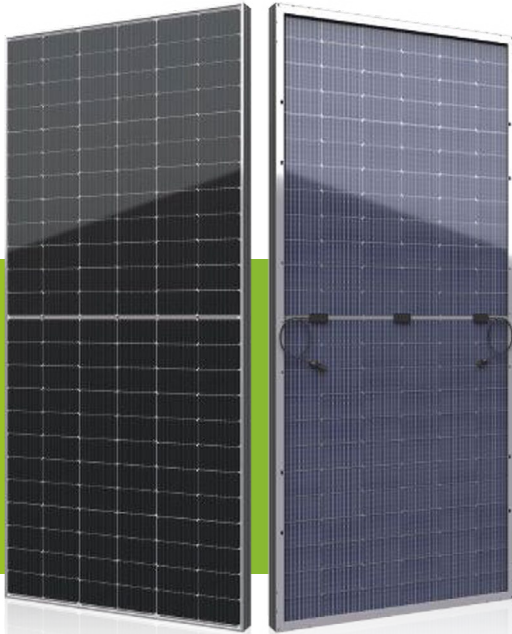




SIRIUS



ELNSM72M-HC-BF Series



MBB HC BIFACIAL MONOCRYSTALLINE PV MODULE 535-550W



BiFacial Series

Elin redefined the high-efficiency module series by integrating 182mm silicon wafers with multi-busbar and half-cut cell technologies. Elin panel combined creative technology effectively and extremely improved the module efficiency and power output.

KEY FEATURES



Less mismatch to get more power



Less power loss by minimizing the shading impact



Competitive low light performance



Ideal choice for utility and commercial scale projects by reduced BOS and improve ROI.



In stringent environment condition :
• Sand, acid, salt and hail stones,
• 2400pa wind load and 5400pa snow load.
• PID

QUALITY SYSTEM



ISO 9001:2015, ISO 14001:2015, ISO 45001: 2018,
ISO 27001:2013, ISO 10002:2004

PRODUCT CERTIFICATION



TS EN 61215, TS EN 61730
IEC 61215, IEC 61730, IEC 62804 (PID FREE)

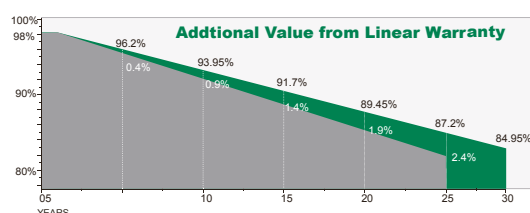
WARRANTY

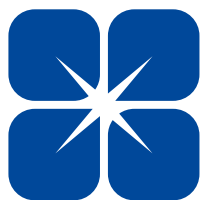


Guarantee On
Product



Linear Power
Output Warranty

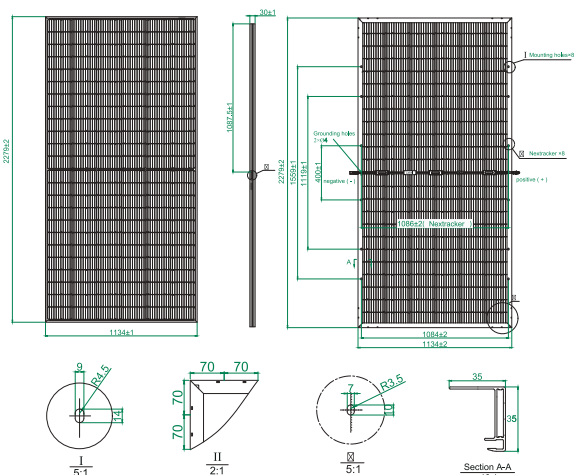




SIRIUS



ELNSM72M-HC-BF Series



MECHANICAL SPECIFICATIONS

External Dimension	2279x1134 x 35 mm
Weight	27 kg
Solar Cells	PERC Mono crystalline(144pcs)
Front Glass	3,2mm AR coating semi-tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables*	4.0mm ² , 250mm(+)/350mm(-) or Customized Length

*Output cable lengths should be specified at the time of order.

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per Pallet	32	32
Pallets per Container	4	20
Pieces per Container	128	640

Modül Tipi	ELNSM-535-72M-HC-BF	ELNSM-540-72M-HC-BF	ELNSM-545-72M-HC-BF	ELNSM-550-72M-HC-BF
STC	Ön STC	Ön STC	Ön STC	Ön STC
Maximum Power - P_{mp} (W)	535	540	545	550
Open Circuit Voltage - V_{oc} (V)	49.40	49.50	49.75	49.90
Short Circuit Current - I_{sc} (A)	13.70	13.81	13.93	14.00
Maximum Power Voltage - V_{mp} (V)	41.29	41.55	41.80	41.96
Maximum Power Current - I_{mp} (A)	12.96	13.00	13.04	13.11
Module Efficiency STC- η_m (%)	20.7	20.9	21.0	21.2
Power Tolerance(W)	(0 + 4.99W)			
Pmax Temperature Coefficient	-0.35 %/ °C			
Voc Temperature Coefficient	-0.27 %/ °C			
Isc Temperature Coefficient	+0.05 %/ °C			

* Measurement Tolerance +/- 3%
 STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
 NOCT: Irradiance 800W / m², Ambient Temperature 20 °C, AM = 1.5, Wind Speed 1m / s

REAR SIDE POWER GAIN ELNSM72M-530-HC-BF

Power Gain	10%	15%	20%	25%	30%
Maximum Power - P_{mp} (W)	562	567	572	578	683
Open Circuit Voltage - V_{oc} (V)	49.54	49.67	49.80	49.93	50.03
Short Circuit Current - I_{sc} (A)	14.34	14.39	14.45	14.50	14.56
Maximum Power Voltage - V_{mp} (V)	41.53	41.77	41.99	42.24	42.43
Maximum Power Current - I_{mp} (A)	13.52	13.58	13.63	13.69	13.74

APPLICATION CONDITIONS

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	70%±10%
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

I-V CURVE

