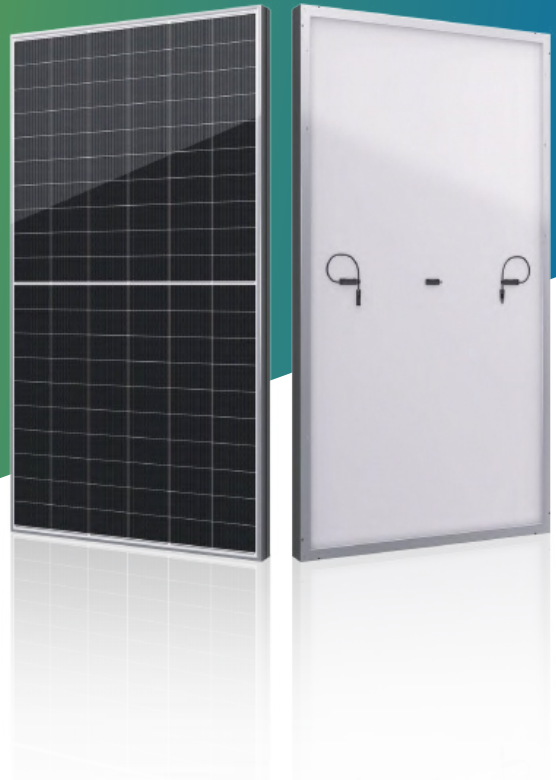


PERC-S2 SERIES

Seize the Moment, Leading the Efficiency







595-610W



● PERC-S2 SERIES

Fortune Energy redefined the high-efficiency module series by integrating 210mm silicon wafers with multi-busbar and half-cut cell technologies. Fortune Energy 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
-  3 times EL test to ensure best quality
-  Ideal choice for utility and commercial scale projects by reduced BoS and improved ROI
-  Outstanding reliability proven by PVEL for stringent environment condition:
 - Sand, acid, salt and hail stones
 - 2400 Pa wind load and 5400 Pa snow load
 - Anti-PID

● QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

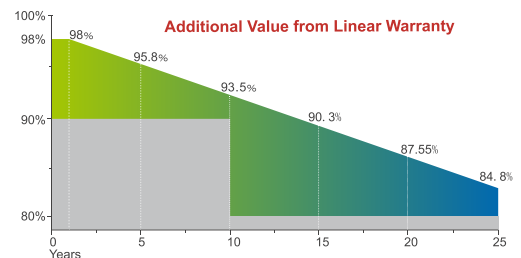
● PRODUCT CERTIFICATION



● INSURANCE

PICC

● WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



Electrical Characteristics

Module Type	FEPM-595M/6B-H		FEPM-600M/6B-H		FEPM-605M/6B-H		FEPM-610M/6B-H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	595	446	600	450	605	454	610	458
Open Circuit Voltage (Voc)	41.3	38.6	41.5	38.8	41.7	39.0	41.9	39.2
Short Circuit Current (Isc)	18.49	14.94	18.54	14.98	18.59	15.02	18.64	15.06
Maximum Power Voltage (Vmp)	34.12	31.54	34.33	31.71	34.54	31.88	34.74	32.06
Maximum Power Current (Imp)	17.44	14.15	17.48	14.20	17.52	14.25	17.56	14.29
Module Efficiency at STC(ηm)	21.02		21.20		21.38		21.55	
Power Tolerance	(0, +4.99)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	30 A							

STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5
 Power measurement tolerance: +/-3%

Temperature Characteristics

Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

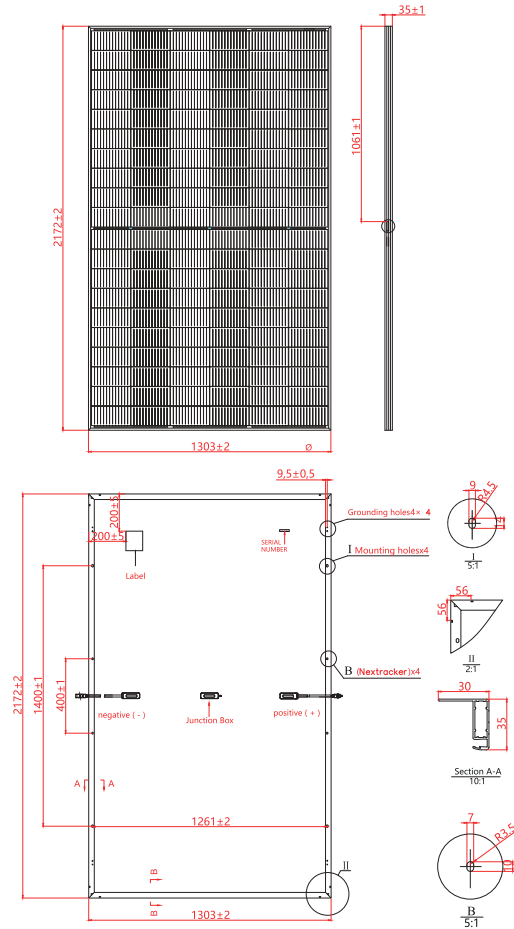
Mechanical Specifications

External Dimensions	2172x1303x35mm
Weight	31.0 kg
Solar Cells	PERC Mono (120pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ² , 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

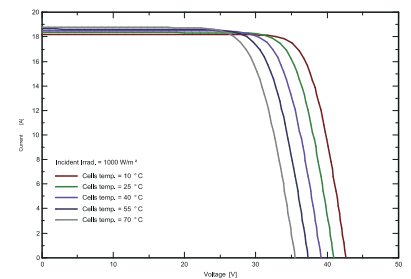
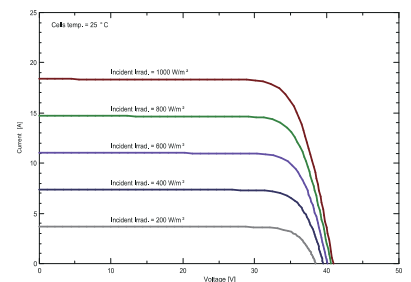
Packing Configuration

2172x1303x35mm	
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	17
Pieces per Container	527

For details, please consult FORTUNE ENERGY.



I-V Curve



Specifications are subject to change without further notification FEPM-DS-EN-2023V1.0 © Copyright 2023 Fortune Energy

