

EPOCH

JUPITER

GSP7F72M-550W

10BB Half-cut Mono Perc



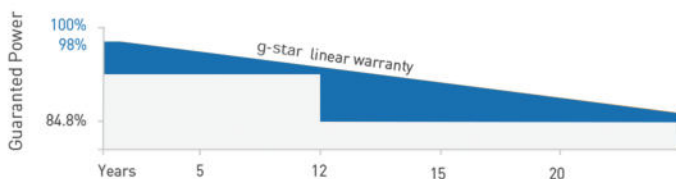
SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems



PERFORMANCE WARRANTY

- 12 Years Quality Assurance
- 30 Years Power Output Guarantee
- Linear Performance Warranty
- Standard Performance Warranty



KEY FEATURES

- 10BB Half-cut Cell Technology**
New circuit design, lower internal current, lower Rs loss
Ga doped wafer, attenuation < 2% (1st year) / ≤0.55% (Linear)
- Significantly Lower the Risk of Hot Spot**
Special circuit design with much lower hot spot temperature
- Lower LCOE**
2% more power generation, lower
- PID Anti**
Excellent Anti-PID Performance
2 times of industry standard Anti-PID test
- IP68 Junction Box**
High waterproof level

Electrical Characteristics

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax/W)	530	395	535	398	540	402	545	406	550	410
Operating Voltage (Vmpp/V)	41.32	38.6	41.48	38.7	41.64	38.8	41.80	39.0	41.96	39.1
Operating Current (Impp/A)	12.83	10.24	12.90	10.30	12.97	10.36	13.04	10.41	13.11	10.47
Open-Circuit Voltage(Voc/V)	49.32	46.4	49.46	46.5	49.60	46.7	49.76	46.8	49.92	47.0
Short-Circuit Current(Isc/A)	13.72	11.06	13.79	11.12	13.86	11.17	13.93	11.23	14.00	11.28
Module Efficiency(%)	20.50		20.70		20.90		21.10		21.30	

Mechanical Characteristics

Solar Cell	Monocrystalline Silicon (10Busbar)
No. of Cells	144pcs in series (6*24)
Module Dimension	2278*1134*35mm(89.69*44.65*1.38inches)
Weight	28kg(61.73lbs.)
Front Glass	3.2mm Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68,3 Bypass Diodes
Output Cables	4mm ² (IEC).12AWG(UL)300mm in Length or Customized Length
Connectors	MC4/MC4-EVO2

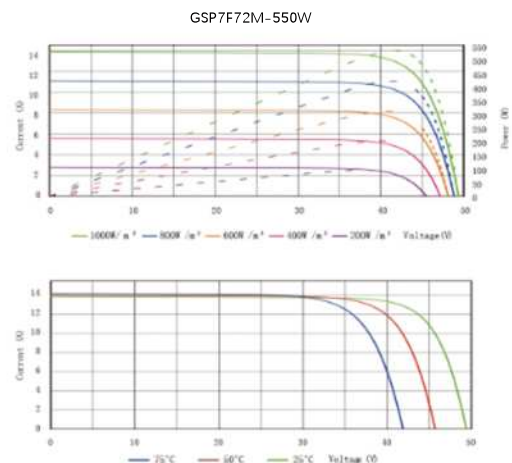
Mechanical Characteristics

Pieces Per Pallet	31	31(USA)
Pieces Per Container(40' HQ)	620	620

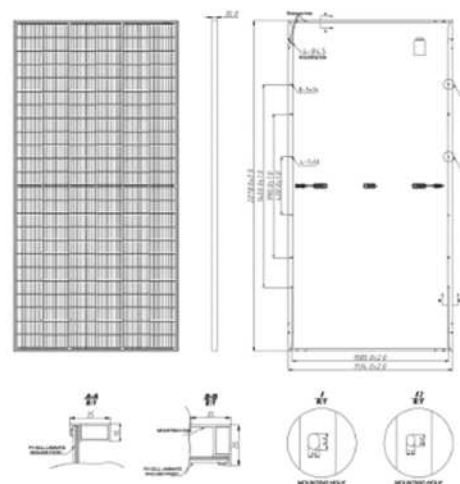
Application Conditions

Maximun System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40° C+85° C
Maximun Series Fuse	25A
Safety Protection Class	Class II
Mechanical Load (Front side]	5400Pa
Mechanical Load (Back side!)	2400Pa

I-V Curve



Technical Drawings



Temperature Characteristics

Temperature Coefficient of Pmax	-0.35%/° C
Temperature Coefficient of Isc	-0.26%/° C
Temperature Coefficient of Voc	+0.048%/° C
Nominal Module Operating Temperature(NMOT)	43±2° C