

ÉPOCH

JUPITER

GSP7F54M-415W

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

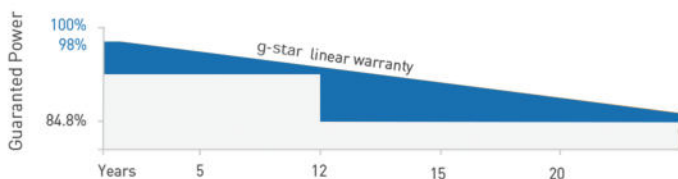


PERFORMANCE WARRANTY

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 R_s loss
Ga doped wafer, attenuation $< 2\%$ (1st year) / $\leq 0.55\%$ (Linear)



Significantly Lower the Risk of Hot Spot

Special circuit design with much lower hot spot temperature



Lower LCOE

2% more power generation, lower



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)	395	294	400	298	405	302	410	306	415	310
Operating Voltage (Vmpp/V)	30.85	28.8	31.05	29.0	31.24	29.2	31.43	29.3	31.64	29.6
Operating Current (Impp/A)	12.81	10.23	12.89	10.30	12.97	10.36	13.05	10.42	13.13	10.48
Open-Circuit Voltage(Voc/V)	36.75	34.6	37.00	34.8	37.25	35.1	37.50	35.3	37.75	35.5
Short-Circuit Current(Isc/A)	13.69	11.04	13.78	11.11	13.86	11.17	13.94	11.24	14.02	11.30
Module Efficiency(%)	20.00		20.20		20.50		20.70		21.00	

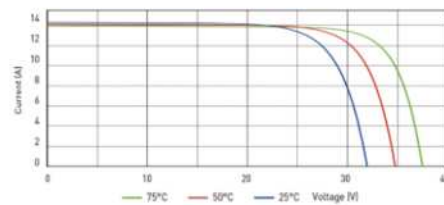
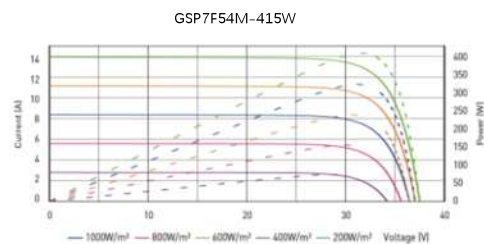
Mechanical Characteristics

Solar Cell	Monocrystalline Silicon (10Busbar)
No. of Cells	108pcs in series (6*18)
Module Dimension	1722*1134*30mm(67.80*44.65*1.18inches)
Weight	21.5kg(47.4lbs.)
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	36	36(USA)
Pieces Per Container(40' HQ)	936	936

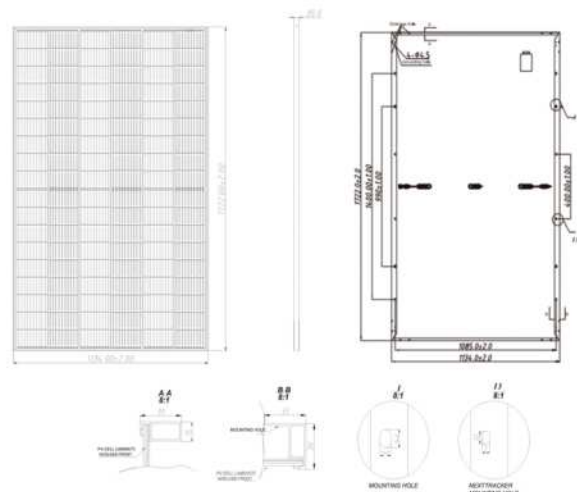
I-V Curve



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

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 OperatingTemperature(NMOT)	43±2° C