

EPOCH

JUPITER

GSP7F66M-505W

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

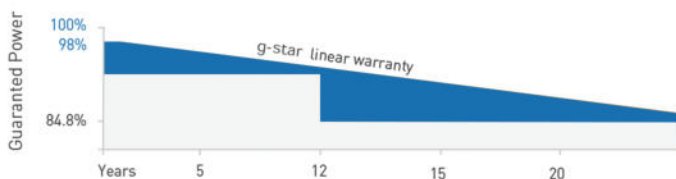


PERFORMANCE WARRANTY

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



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)	485	362	490	365	495	369	500	372	505	376
Operating Voltage (Vmpp/V)	37.87	35.3	38.02	35.5	38.17	35.6	38.32	35.7	38.47	35.9
Operating Current (Impp/A)	12.81	10.23	12.89	10.29	12.97	10.36	13.05	10.42	13.13	10.49
Open-Circuit Voltage(Voc/V)	45.16	42.5	45.31	42.6	45.46	42.8	45.61	42.9	45.76	43.1
Short-Circuit Current(Isc/A)	13.70	11.04	13.78	11.11	13.86	11.17	13.94	11.24	14.02	11.30
Module Efficiency(%)	20.40		20.60		20.80		21.10		21.30	

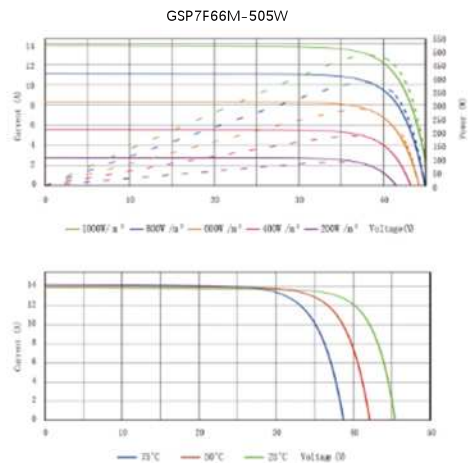
Mechanical Characteristics

Solar Cell	Monocrystalline Silicon (10Busbar)
No. of Cells	132pcs in series (6*22)
Module Dimension	2094*1134*35mm(82.44*44.65*1.38inches)
Weight	26.6kg(58.6lbs.)
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)	682	682

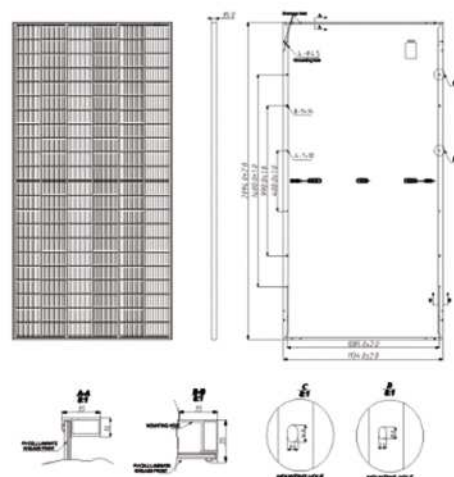
I-V Curve



Application Conditions

Maximum System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40° C+85° C
Maximum 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 Operating Temperature(NMOT)	43±2° C