

# EPOCH

# JUPITER

## GSP7F78M-600W

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

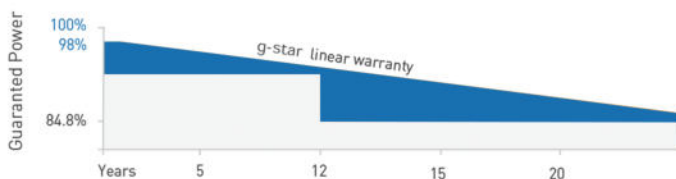


### PERFORMANCE WARRANTY

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)	580	432	585	436	590	439	595	443	600	447
Operating Voltage (Vmpp/V)	44.97	41.9	45.11	42.1	45.25	42.2	45.39	42.3	45.53	42.5
Operating Current (Impp/A)	12.90	10.30	12.97	10.35	13.04	10.41	13.11	10.46	13.18	10.52
Open-Circuit Voltage(Voc/V)	53.59	50.4	53.73	50.6	53.87	50.7	54.01	50.8	54.15	51
Short-Circuit Current(Isc/A)	13.79	11.12	13.86	11.17	13.93	11.23	14.00	11.28	14.07	11.34
Module Efficiency(%)	20.70		20.90		21.10		21.30		21.50	

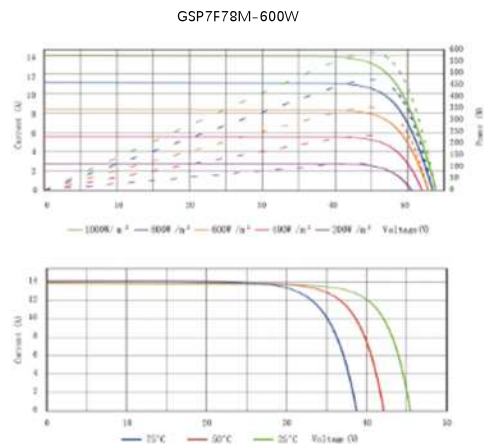
# Mechanical Characteristics

Solar Cell	Monocrystalline Silicon (10Busbar)
No. of Cells	156pcs in series (6*26)
Module Dimension	2465*1134*35mm(97.05*44.65*1.38inches)
Weight	31.5kg(69.45lbs.)
Front Glass	3.2mm Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68,3 Bypass Diodes
Output Cables	4mm <sup>2</sup> (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)	496	496

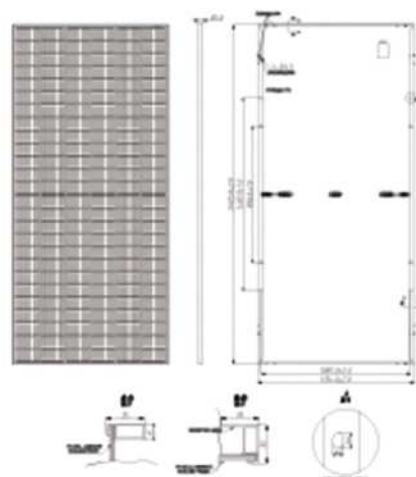
# I-V Curve



# 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