

High Efficiency
PERC Module

GSM- MP6/120- M340

320W | 325W | 330W
335W | 340W



340W
Maximum Power Output

20.30%
Maximum Efficiency

25Years
Linear Power Warranty

Product Features



MBB Half Cell

Multi-busbar half cell design, together with many other technologies to increase module power and efficiency



High Energy Yield

High density interconnection technology optimizes module efficiency up to 20.30%



G1 Cell/Module

Small in size, big on efficiency, applicable to multiple scenarios



High Reliability

Certified mechanical performance up to 5400 Pa positive load and 2400 Pa negative load, with better protection against harsh weather



Higher Performance

Low temperature coefficient, low operating temperature, more energy yield



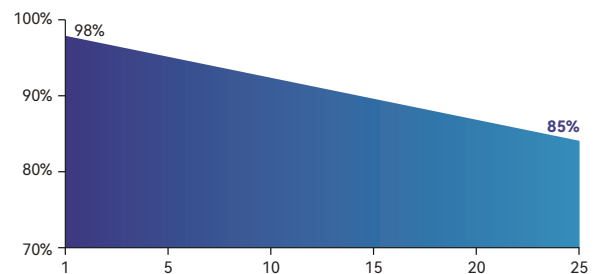
Better Warranty

Low LID/PID in longer service life, less than 15% power degradation in 25 years

Quality Assurance

12 Years Product Warranty

25 Years Linear Power Warranty



Certificates



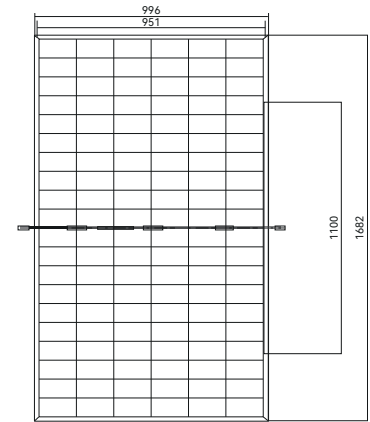
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Mechanical Data

Cell(mm)	158×79
Weight(kg)	21±0.5kg
Dimension(L×W×H)(mm)	1682×996×35mm
Cable(mm)	4mm ² , 300mm(customized length based on needs)
Frame	anodized aluminum
Junction Box	IP68, 1500VDC, 3 Diodes
Packaging configuration (40' Container; 17.5' Trailer)	31pcs/pallet, 26pallets/container, 806pcs/container 31pcs/pallet, 40pallet / Trailer, 1240pcs / Trailer



Electrical Data (STC)

Model	GSM-MP6/120-M320	GSM-MP6/120-M325	GSM-MP6/120-M330	GSM-MP6/120-M335	GSM-MP6/120-M340
Pmax(Wp)	320	325	330	335	340
Voc(V)	41.6	41.9	42.2	42.6	43
Isc(A)	9.98	10.06	10.14	10.2	10.26
Vmpp(V)	33.7	34	34.3	34.6	34.9
Impp(A)	9.50	9.56	9.63	9.69	9.75
Efficiency	19.10%	19.40%	19.70%	20.00%	20.30%

STC: AM1.5 Irradiance: 1000W/m² Temperature=25°C

Electrical Characteristics (NOCT)

Model	GSM-MP6/120-M320	GSM-MP6/120-M325	GSM-MP6/120-M330	GSM-MP6/120-M335	GSM-MP6/120-M340
Pmax(Wp)	237	241	245	248	252
Voc(V)	37.69	37.98	38.27	38.65	39.03
Isc(A)	8.14	8.22	8.28	8.32	8.35
Vmpp(V)	31.89	32.09	32.29	32.58	32.78
Impp(A)	7.46	7.52	7.58	7.63	7.70

$\alpha_{Isc} (\%/K) : 0.05$; $\beta_{Voc} (\%/K) : -0.265$; $\gamma_{Pmp} (\%/K) : -0.34$

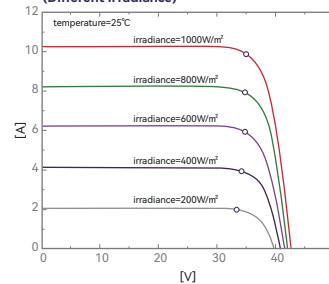
NMOT standard: AM1.5 Front irradiance: 800W/m² temperature=20°C wind speed=1m/s

Working Condition

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rating	20A
Rear Side Mechanical Load	2400Pa
Front Side Mechanical Load	5400Pa
NOCT	44±2°C
Safety Class	Class II
Grounding Electric Conductivity	< 0.1Ω

I-V Diagram

(Different Irradiance)



I-V Diagram

(Different Temperature)

