



Optimum *new range*



Note: representative photo of the product, the modules are delivered with 5BB cells.

Solar module (72cells 6") Mono PERC
A-xxxM GS (380/385/390/395/400 W)

- **Optimize your instalations.**
- High module **efficiency** and stable power output based on leading process technology.
- **Outstanding electrical performance** under high-temperature conditions or low-irradiance conditions.
- Ease of installations due to the **innovative engineering design.**
- **Rigorous quality control** meets the highest international standard.
- **Warranty, 10-year** workmanship and **25-year** performance (83% power output).





A-xxxM GS (ES) (xxx = rated power)

Electrical characteristics	A-380M GS	A-385M GS	A-390M GS	A-395M GS	A-400M GS
Maximum Power (Pmax)	380 W	385 W	390 W	395 W	400 W
Maximum Power Voltage (Vmp)	40.50 V	40.80 V	41.10 V	41.40 V	41.70 V
Maximum Power Current (Imp)	9.39 A	9.44 A	9.49 A	9.55 A	9.60 A
Open Current Voltage (Voc)	48.90 V	49.10 V	49.30 V	49.50 V	49.80 V
Short Circuit Current (Isc)	9.75 A	9.92 A	10.12 A	10.23 A	10.36 A
Module Efficiency (%)	19.16	19.42	19.67	19.92	20.17
Power Tolerance (W)			0/+5		
Maximum Series Fuse Ratings (A)			15		
Maximum System Voltage (IEC)			DC 1000 V		
Normal Operating Cell Temperature (°C)			45±2		

Electrical characteristics tested at Standard Test Conditions (STC), defined as: Irradiance of 1000 w/m², spectrum AM 1.5 and temperature of 25 °C. Tolerance measures STC: ±3% (Pmp); ±10% (Isc, Voc, Imp, Vmp). Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Mechanical specifications

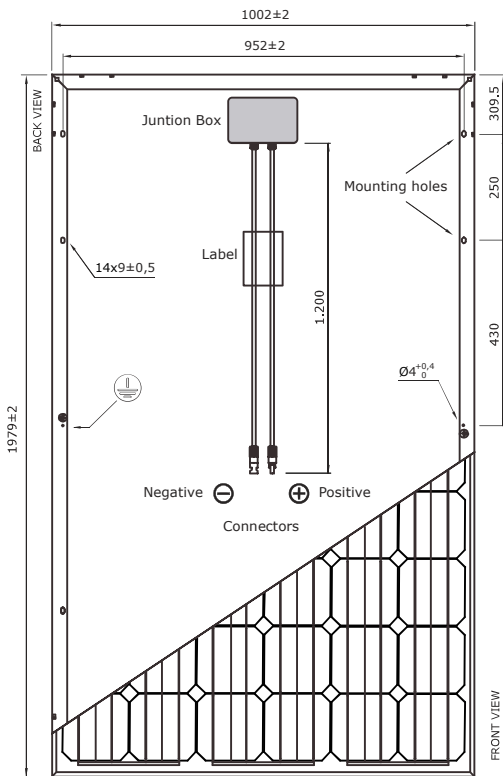
Dimensions	1979x1002x40 mm.
Weight	20.9 kg
Max. static load, front (snow & wind)	2400 Pa
Max. static load, back (wind)	2400 Pa
Max. hailstone impact (diameter/velocity)	25 mm / 23 m/s

Construction materials

Front cover (material /type/thickness) (*)	Tempered Glass, High Transmission/Low Iron/3.2 mm
Cell (quantity/type/dimensions)	72 cells (6x12)/monocrystalline /158.75 x 158.75 mm
Frame (material/color)	Anodized aluminium alloy /silver
Junction box (protection degree)	IP67 / 3 diode
Cable (length/cross-section area)/Connector	1.200 mm / 4 mm ² / Combinable MC4 / IP67

(*) With anti-reflective coating

Panel construction generic view



NOTE: Drawing is not to scale.

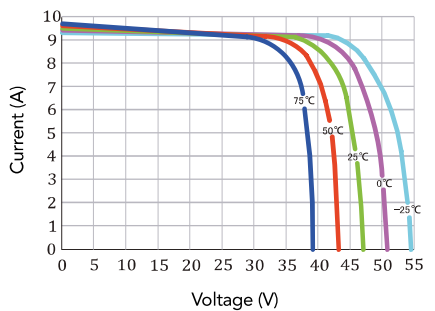
Temperature characteristics

Temp. Coeff. of Isc (TK Isc)	0.048% /°C
Temp. Coeff. of Voc (TK Voc)	-0.28% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.37% /°C
Operating Temperature	-40 to +85 °C

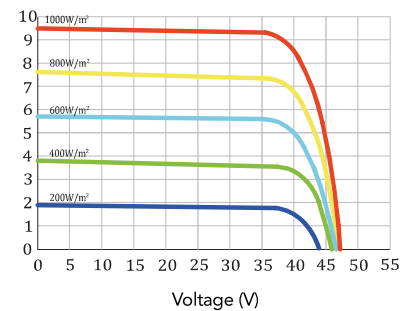
Packaging

Modules/pallet	27 pcs
Pallets/container HQ 40'	22 pallets
Modules/container HQ 40'	594 pcs
Pallets/container 20'	8 pallets
Modules/container 20'	216 pcs

Various Temperature (A-350M GS)



Various Irradiance (A-350M GS)



Official distributor:

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NB: The data contained in this documentation are subject to modification without prior notification.

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