A-200M GS

Monocrystalline 72 Cell
180-210 Wp

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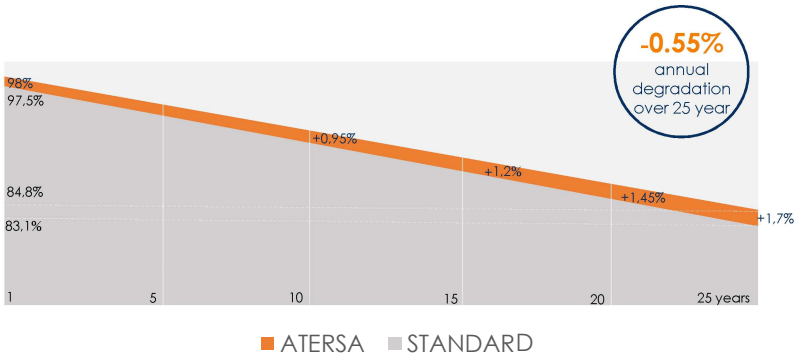
- High **efficiency** of **15,67%**
- Excellent **performance** at low irradiance
- PID High PID **resistance**
- Dual **quality** control
- Higher **power** over 25 years

LINEAR PERFORMANCE WARRANTY



- 12 years — Product Warranty **ATERSA-Spain**
- 25 years — Linear **Performance** Warranty

IEC 61215
IEC 61730
IEC 61701

ER-0096/1995-014/00

GA-2000/0294-014/00

SST-0164/2007

HCO-2015/0011

Our Module, Your Energy

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Electrical characteristics GS

	A-180M GS	A-190M GS	**A-200M GS**	A-210M GS
Maximum Power (Pmax)	180 Wp	190 Wp	**200 Wp**	210 Wp
Maximum Power Voltage (Vmp)	35.60 V	36.20 V	**36.70 V**	37.20 V
Maximum Power Current (Imp)	5.05 A	5.25 A	**5.45 A**	5.65 A
Open Circuit Voltage (Voc)	44.10 V	44.80 V	**45.40 V**	45.90 V
Short Circuit Current (Isc)	5.40 A	5.60 A	**5.80 A**	6.00 A
Module Efficiency (%)	14.10	14.88	**15.67**	16.45
Power Tolerance (W)	0/+5			
Maximum Series Fuse Ratings (A)	15			
Maximum System Voltage (TUV)	DC 1.000 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); ±4% (Voc, Vmp); ±5% (Isc, Imp).
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Mechanical specifications

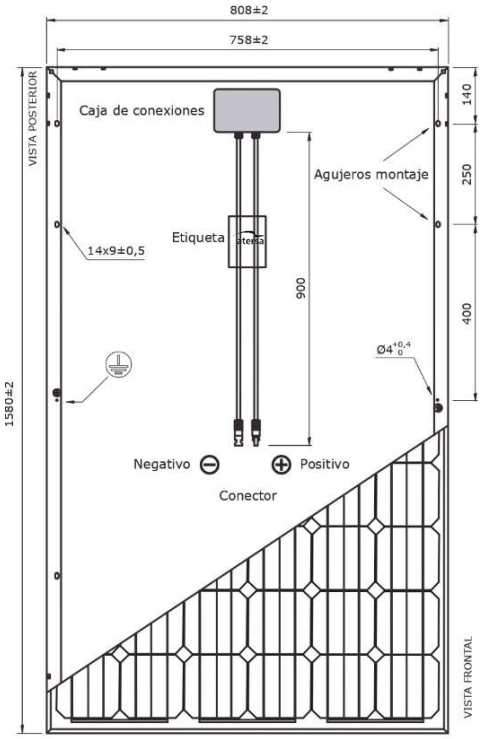
Dimensions (± 2.0 mm.)	1580x808x35 mm
Weight (± 0.5 kg)	15.0 kg
Max. static load, front (snow & wind)	5400 Pa
Max. static load, back (wind)	2400 Pa

Construction materials

Front cover (material /type/thickness) (*)	High-transmission tempered glass/ low iron/ 3.2 mm
Cell (quantity/type/dimensions)	72 pcs (6x12)/ Monocrystalline/125x125 mm
Frame (material/color)	Anodized aluminium alloy / silver
Junction box (protection degree/diodes)	IP67/3 diodes
Cable (lenght/cross-section area)/**Connector**	900 mm. / 4 mm²/ Combinable MC4

(*) With anti-reflective coating

Engineering drawings



NOTA: El dibujo no está a escala.

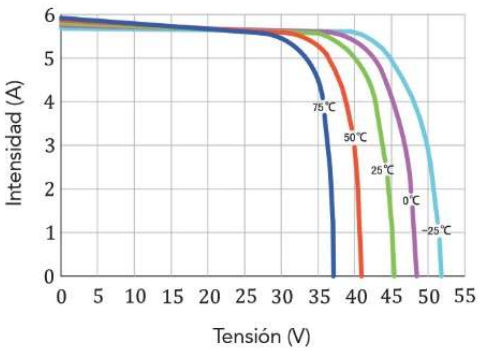
Temperature characteristics

Temp. Coefficient of Isc (TK Isc)	0.08558 % /°C
Temp. Coefficient of Voc (TK Voc)	-0.295 % /°C
Temp. Coefficient of Pmax (TK Pmax)	-0.38 % /°C
Operating Temperature	-40 a +85 °C

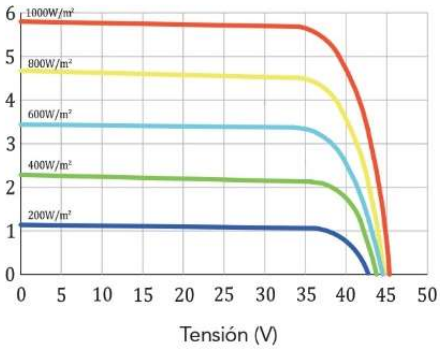
Packaging

Modules/pallet	31 pcs
Pallet/container 40' HQ	32 pallet
Modules/container 40' HQ	992 pcs
Pallet/container 20'	14 pallet
Modules/container 20'	434 pcs

I-V Temperature



I-V Irradiance



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

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