

A-550M GS

Mono PERC 144 Half Cell
520-550 Wp



High **efficiency** of **21.3%**



Excellent **performance** at low irradiance



PID High PID **resistance**



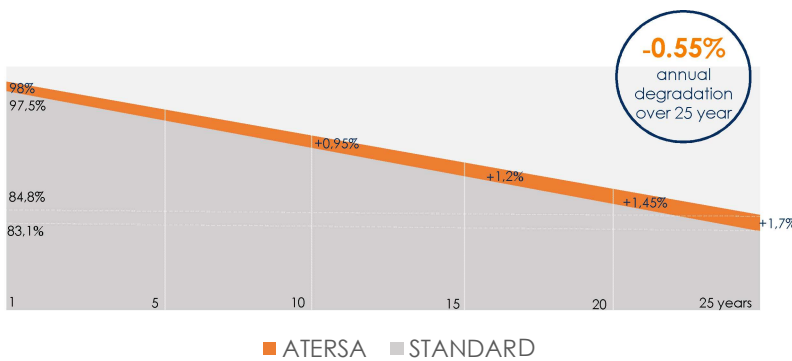
Dual **quality** control



Higher **power** over 25 years



LINEAR PERFORMANCE WARRANTY



-0.55%
annual degradation
over 25 year



Product Warranty
ATERSA-Spain



Linear **Performance**
Warranty



Electrical characteristics GS

A-535M GS 144 A-540M GS 144 A-545M GS 144 A-550M GS 144

Maximum Power (Pmax)	535 Wp	540 Wp	545 Wp	550 Wp
Maximum Power Voltage (Vmp)	41.50 V	41.65 V	41.80 V	41.95 V
Maximum Power Current (Imp)	12.90 A	12.97 A	13.05 A	13.12 A
Open Circuit Voltage (Voc)	49.35 V	49.50 V	49.65 V	49.80 V
Short Circuit Current (Isc)	13.78 A	13.85 A	13.92 A	13.98 A
Module Efficiency (%)	20.7	20.9	21.1	21.3
Power Tolerance (W)			0/+5	
Maximum Series Fuse Ratings (A)			25	
Maximum System Voltage (TUV)			DC 1.500V	
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); ±3% (Voc, Vmp); ±4% (Isc, Imp).
 Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%
 Electrical Protection Classification: CLASS II
 Fire Safety Classification: CLASS C

Mechanical specifications

Dimensions (± 2.0 mm.)	2279x1134x35 mm
Weight (± 0.5 kg)	27.2 kg
Max. static load, front (snow & wind)	5400 Pa (*)
Max. static load, back (wind)	2400 Pa (**)
Max. hailstone impact (diameter/velocity)	25 mm / 23 m/s

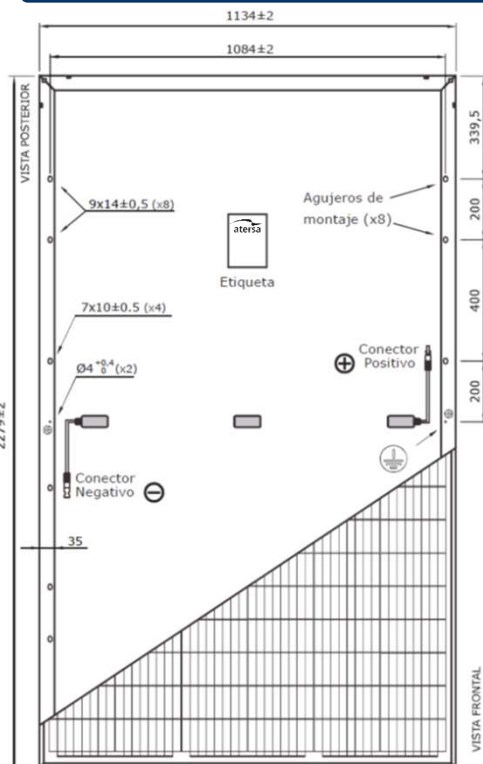
(*) Using 8 fixing holes.
 (**) Using the 4 inner fixing holes.

Construction materials

Front cover (material /type/thickness) (*)	Tempered Glass/grade PV/3.2 mm
Cell (quantity/type/dimensions)	144 half-cell (6x24)/ Mono PERC 9BB(10BB) /182x91 mm
Frame (material/color)	Anodized aluminium alloy / silver
Junction box (protection degree/ diodes)	IP68/3 diodes
Cable (length/cross-section area)/ Connector	1400 mm. / 4 mm²/ Combinable MC4

(*) With anti-reflective coating

Engineering drawings



El dibujo no está a escala

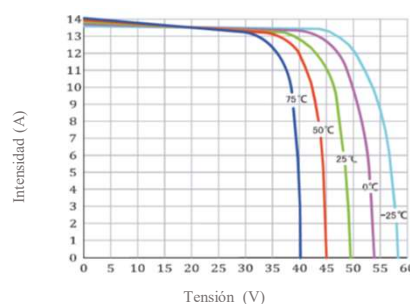
Temperature characteristics

Temp. Coefficient of Isc (TK Isc)	0.048 % /°C
Temp. Coefficient of Voc (TK Voc)	-0.27 % /°C
Temp. Coefficient of Pmax (TK Pmax)	-0.35 % /°C
Efficiency reduction (200W/m2 25°C)	3.5% ±2%
Operating Temperature	-40 a +85 °C

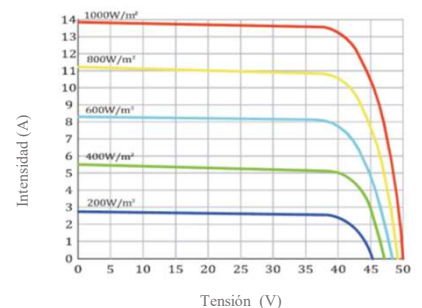
Packaging

Modules/pallet	31
Pallet/container 40' HQ	20
Modules/container 40' HQ	620

I-V Temperature



I-V Irradiance



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

