

A-270P GS

Polycrystalline 60 Cell
270-280 Wp



High **efficiency** of **16.60%**



Excellent **performance** at low irradiance



High **PID resistance**



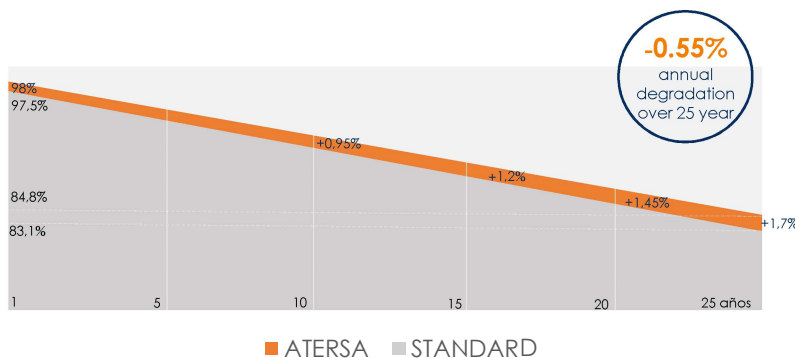
Dual **quality control**



Higher **power** over 25 years



LINEAR PERFORMANCE WARRANTY



Product Warranty
ATERSA-Spain



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



Electrical characteristics GS A-270P GS 60 A-275P GS 60 A-280P GS 60

Maximum Power (Pmax)	270 Wp	275 Wp	280 Wp
Maximum Power Voltage (Vmp)	31.80 V	32.00 V	32.20 V
Maximum Power Current (Imp)	8.50 A	8.60 A	8.70 A
Open Circuit Voltage (Voc)	37.40 V	37.60 V	37.80 V
Short Circuit Current (Isc)	9.14 A	9.25 A	9.36 A
Module Efficiency (%)	16.60	16.90	17.21
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

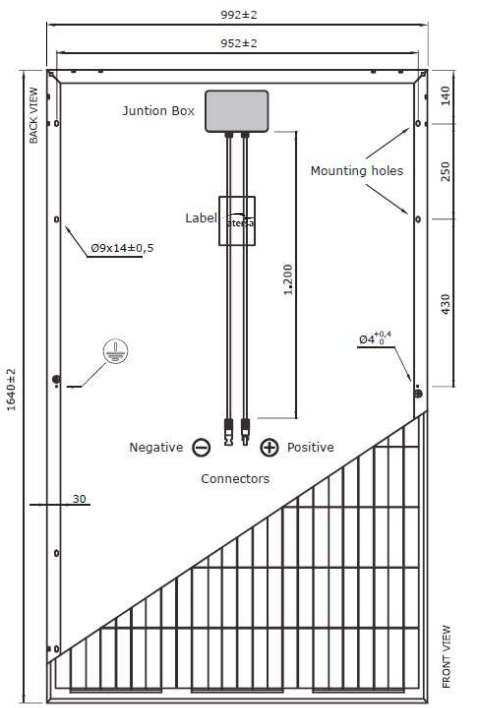
Dimensions (± 2.0 mm.)	1640x992x35 mm
Weight (± 0.5 kg)	17.75 kg
Max. static load, front (snow & wind)	5400 Pa
Max. static load, back (wind)	2400 Pa
Max. hailstone impact (diameter/velocity)	25 mm/ 23 m/s

Construction materials

Front cover (material /type/thickness) (*)	Tempered Glass,High Transmission/Low Iron/3.2 mm
Cell (quantity/type/dimensions)	60 cells (6x10)/polycrystalline (5BB)/ 156.75x156.75 mm
Frame (material/color)	Anodized aluminium alloy / silver
Junction box (protection degree)	IP67
Cable (length/cross-section area)/ Connector	1200 mm. /4 mm²/Combinable MC4

(*) With anti-reflective coating

Engineering drawings



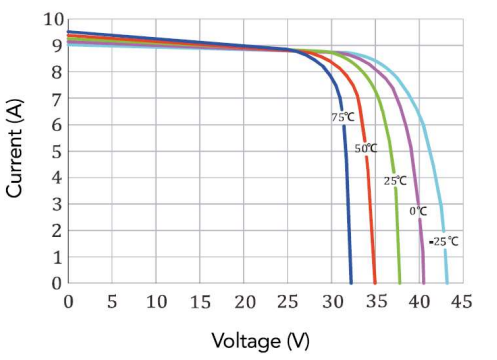
Temperature characteristics

Temp. Coefficient of Isc (TK Isc)	0.08558 % /°C
Temp. Coefficient of Voc (TK Voc)	-0.29506 % /°C
Temp. Coefficient of Pmax (TK Pmax)	-0.38001 % /°C
Operating Temperature	-40 a +85 °C

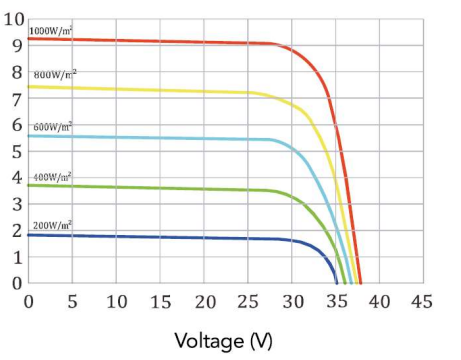
Packaging

Modules/pallet	30 pcs
Pallet/container 40' HQ	28 pallets
Modules/container 40' HQ	840 pcs
Pallet/container 20'	12 pallets
Modules/container 20'	360 pcs

I-V Temperature



I-V Irradiance



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

