

Sunny Apex

225W Solar Module

High Power Series

Key Features

[Reduce hot spot effect and enhance modules performance](#)

High module conversion efficiency above 18%

[Innovative production process to ensure reliability and durability](#)

Product is certified to IEC 61215 and 61730 by TUV

Electrical Specifications

Model Type	GW-ES225A
Peak Power (Pmax)	225W
Module Efficiency	18.70%
Maximum Power Voltage (Vmp)	27.3V
Maximum Power Current (Imp)	8.25A
Open Circuit Voltage (Voc)	33.7V
Short Circuit Current (Isc)	8.50A
Power Tolerance	- 1W ~ + 4.99W
Maximum System Voltage	1000V
Nominal Operating Cell Temp.	45 °C (+/- 2)

Mechanical Specifications

Cell type	Mono-crystalline
Dimensions	1530 x 785 x 35mm [60.24 x 30.91 x 1.38in]
Frame	anodized aluminum
Blacksheet	Black
Junction Box	IP 67 waterproof
Cables	4.00mm ² , 1000mm
Connectors	MC4 compatible

Temperature Coefficients

Power	-0.365%/ °C
Voltage (Voc)	-0.28%/ °C
Current (Isc)	+0.05%/ °C

Brand	GWSOLAR
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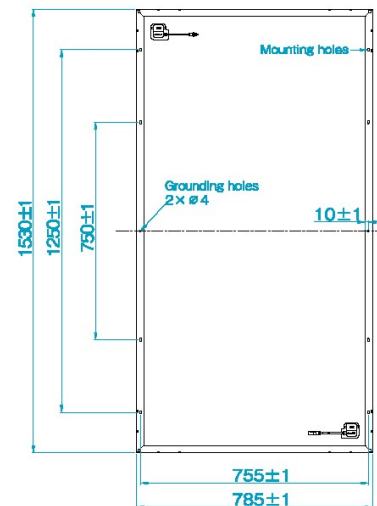
Warranties & Certifications

Warranties	2 years product warranty, 25 years limited power warranty of 80% of the minimum specified power rating
Certificates	IEC 61215, 61730

5 Hours Shading Test



Maximum Value 47.3°C
Average Value 23.9°C
Minimum Value 15.6°C



Unit: mm



Note: All electrical parameters are rated at standard test conditions (irradiance of 1000W/m², AM 1.5G, cell temp. 77°F/25°C)
Caution: Read Safety and Installation Instruction before using this product.

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