



GH270M125

Mechanical Data

Solar Cell	High Efficiency Monocrystalline Cell
Cell Efficiency	18,40 - 18,60%
Cell Size	5"
Number of Cells	96 (8x12)
Dimensions (new)	1580x1064x46mm
Weight	20kg
Cable Lengths	1200mm
Connectors	IP67, MC4 Compatible
Number of Bypass Diodes	4

Electrical Data

Rated Current (Imp)	5.41A
Rated Voltage (Vmp)	50.59V
Short Circuit Current (Isc)	5.76A
Open Circuit Voltage (Voc)	60.38V
Fill Factor	0.79
Rated Power (Pmax)	270Wp (0%/+3% tolerance)
Module Efficiency	16.1%
Maximum Forward Current	30A
Maximum System Voltage	1000V DC

Warranties & Certifications

Product Warranty	12 years
Power Warranty (90% of Pmax)	12 years
Power Warranty (80% of Pmax)	25 years
Certificates	IEC 61215, IEC 61730, CE

Operating Conditions

Operating Temperature	-40°C to +85°C
Mechanical Load	>5400Pa

Temperature Data

Nominal Operation Cell Temperature (NOCT)	45°C
Current Temperature Coefficient	0.08%/°C
Voltage Temperature Coefficient	-0.30%/°C
Power Temperature Coefficient	-0.35%/°C



Specifications in these datasheets are subject to changes without prior notice.