

GRIFFIN

SQG560M9-120HC SQG575M9-120HC
 SQG565M9-120HC SQG580M9-120HC
 SQG570M9-120HC SQG590M9-120HC



120 CELL
 Monocrystalline Module

20.5%
 Maximum Efficiency



560-590 W
 Power Output Range

+5W
 Power Tolerance



Well-rounded design with versatile and excellent performance

- 1500 VDC system voltage

Design promotes efficiency & savings

- Low first-year power degradation
- PID Resistant
- Convert more sunlight into electricity over a given area to provide more savings over time

Highly reliable quality

- Comprehensive in-house tests
- 100% EL inspection ensuring defects-free module
- Manufactured with cutting edge technology to increase product output consistency

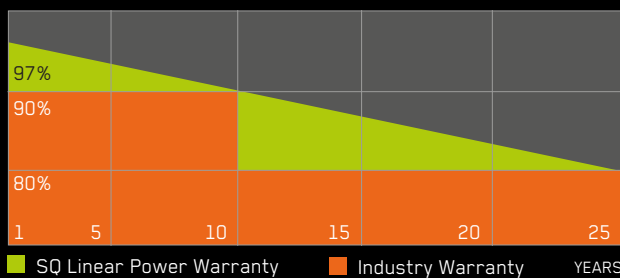
Certified to withstand the most challenging environmental conditions

- 2400 Pa negative load, 5400 Pa positive load
- Salt Mist and Ammonia Corrosion Resistant

LINEAR POWER WARRANTY

10 years
 product warranty

25 years
 linear power output warranty

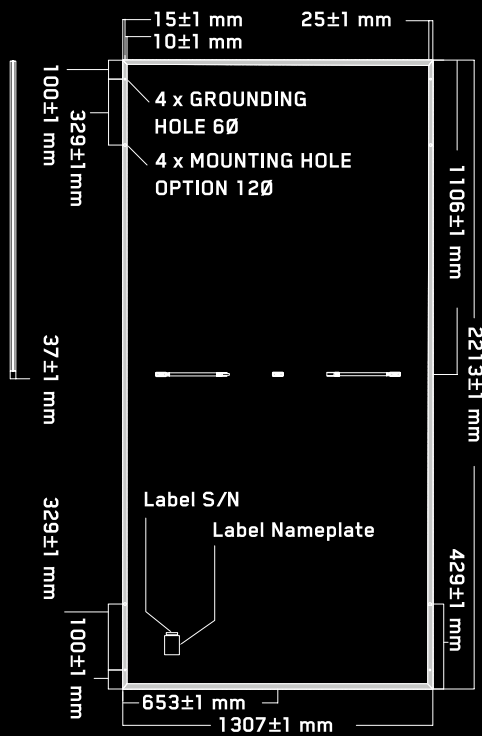


COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

- | | |
|--|---|
| ISO 9001:2015 | Quality Management System |
| ISO 14001:2015 | Environmental Management System |
| OHSAS 18001:2007 | Occupational Health & Safety Management System |
| IEC 61215:2016 / IEC 61730:2016 | Indonesian National Standard (SNI) Local Content Level (TKDN) |



SOLAR QUEST, established in 2019, is a trademark by PT. Deltamas Solusindo. The company is devoted to be a total solution provider for energy efficiency and solar-powered clean energy generation. SOLAR QUEST is the national PV module from Indonesia with superior quality; providing reliability and profitability the customers rely on. With focus on solar-powered Renewable Energy expansion, the company encourages communities into the era of clean energy; in the same time collaborating with distributors, installers, developers, and other partners to distribute its solution to residential, commercial and utility base customers locally and internationally.



MECHANICAL DATA

Module Dimensions	1307 x 2213 x 37 mm
Weight	34.6 kg
Solar Cells	Monocrystalline PERC
Cell Arrangement	2 x 3 Strings of 20 Monocrystalline PERC
Glass	Cells 3.2 mm Thick Anti-Reflection Solar
Backsheet	Glass Highly Resistant Polyester
Frame	Clear Anodic Coated Aluminium
J-Box	IP68
Cables	1 x 4.0 mm ² Solar Cable
Connectors	PV-C002 or Factory-Installed Compatible

ELECTRICAL DATA at STC*

	UNIT	SQG560M9-120HC	SQG565M9-120HC	SQG570M9-120HC	SQG575M9-120HC	SQG580M9-120HC	SQG590M9-120HC
Nominal Power - P _{MAX}	Wp	560	566	571	576	582	592
Power Tolerance	W	+5	+5	+5	+5	+5	+5
Nominal Power Voltage - V _{MP}	V	64.97	65.49	66.00	66.41	66.92	67.59
Nominal Power Current - I _{MP}	A	8.62	8.64	8.65	8.67	8.70	8.76
Open Circuit Voltage - V _{OC}	V	40.32	40.38	40.50	40.62	40.68	40.74
Open Circuit Voltage - I _{SC}	A	9.05	9.08	9.09	9.11	9.12	9.16
Module Efficiency	%	19.4	19.6	19.7	19.9	20.1	20.5

*STC: Standard Test Conditions (Light Spectrum AM 1.5, Irradiance 1000 W/m², Temperature 25°C)

ELECTRICAL DATA at NMOT**

Nominal Power - P _{MAX}	Wp	448	453	457	461	466	474
Power Tolerance	W	+5	+5	+5	+5	+5	+5
Nominal Power Voltage - V _{MP}	V	64.97	65.49	66.00	66.41	66.92	67.59
Nominal Power Current - I _{MP}	A	6.90	6.91	6.92	6.94	6.96	7.01
Open Circuit Voltage - V _{OC}	V	32.26	32.30	32.40	32.50	32.54	32.59
Open Circuit Voltage - I _{SC}	A	7.24	7.26	7.27	7.28	7.30	7.33
NMOT	°C	43 +2	43 +2	43 +2	43 +2	43 +2	43 +2

**NMOT: Nominal Module Operation Temperature (Light Spectrum AM 1.5, Irradiance 800 W/m², Temperature 20°C)

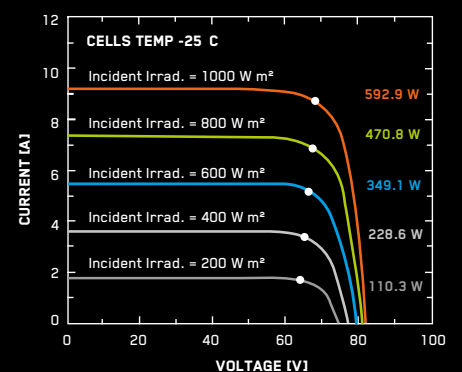
TEMPERATURE RATINGS

Temperature Coefficient of P _{MAX}	-0.38% / °C
Temperature Coefficient of V _{OC}	-0.36% / °C
Temperature Coefficient of I _{SC}	0.07% / °C

MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1500 VDC (IEC)
Max Series Fuse Rating	20 A

I-V CURVE AT STANDARD TEXT CONDITION



WARRANTY

10-YEAR Product Warranty

25-YEAR Linear Power Output Warranty