

GRIFFIN

SQG500M8-144HC
SQG505M8-144HC
SQG510M8-144HC

SQG515M8-144HC
SQG520M8-144HC



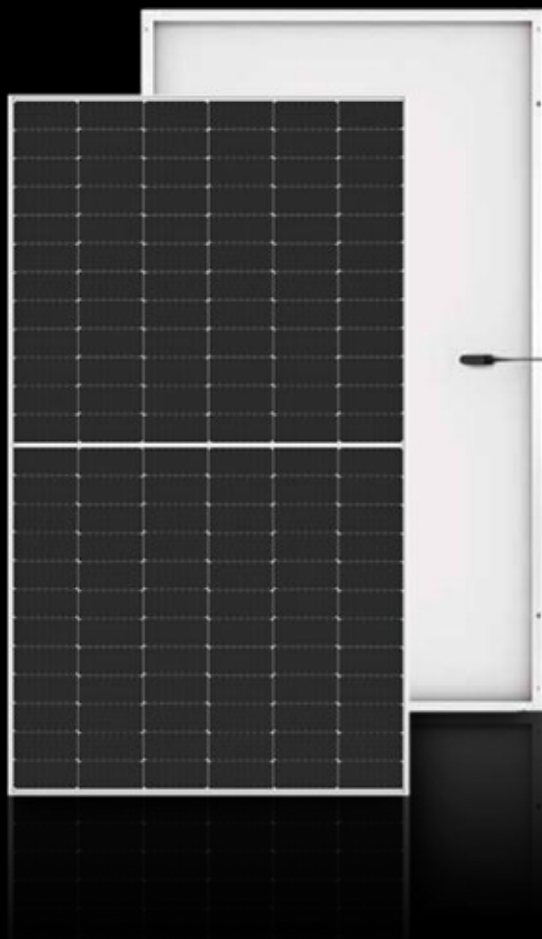
144 CELL
Monocrystalline Module

19.9%
Maximum Efficiency



500-520 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

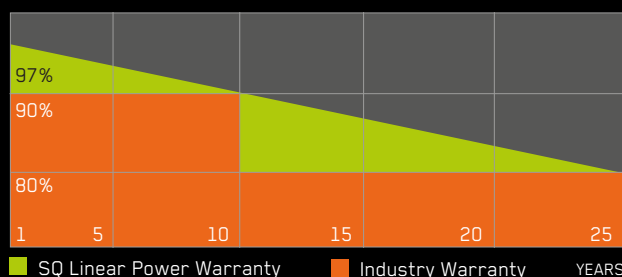
Certified to withstand the most challenging environmental conditions

- 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

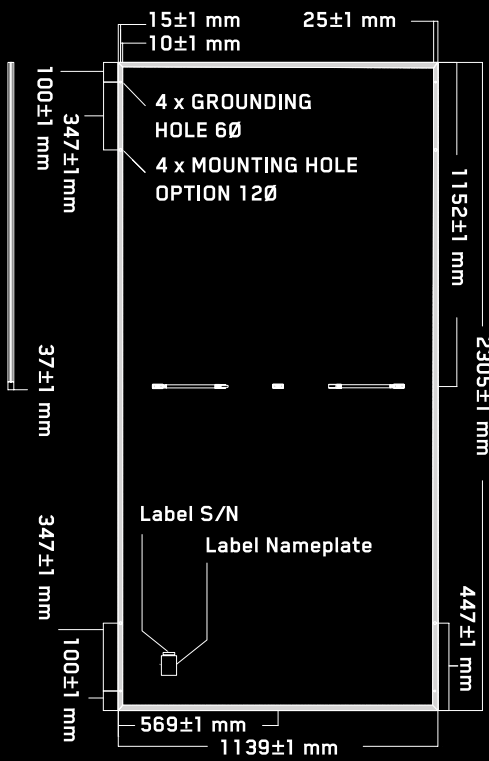


COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

- | | |
|--|---|
| 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	1139 x 2305 x 37 mm
Weight	31.4 kg
Solar Cells	Monocrystalline PERC
Cell Arrangement	2 x 3 Strings of 24 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	SQG500M8-144HC	SQG505M8-144HC	SQG510M8-144HC	SQG515M8-144HC	SQG520M8-144HC
Nominal Power - P _{MAX}	Wp	501	505	510	515	521
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V _{MP}	V	80.84	81.26	81.60	82.17	82.72
Nominal Power Current - I _{MP}	A	6.20	6.22	6.25	6.27	6.30
Open Circuit Voltage - V _{OC}	V	49.10	49.18	49.25	49.39	49.54
Open Circuit Voltage - I _{SC}	A	6.49	6.51	6.55	6.57	6.61
Module Efficiency	%	19.1	19.2	19.4	19.6	19.9

*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	401	404	408	412	417
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V _{MP}	V	80.84	81.26	81.60	82.17	82.72
Nominal Power Current - I _{MP}	A	4.96	4.97	5.00	5.01	5.04
Open Circuit Voltage - V _{OC}	V	39.28	39.34	39.40	39.51	39.63
Open Circuit Voltage - I _{SC}	A	5.20	5.21	5.24	5.26	5.29
NMOT	°C	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)

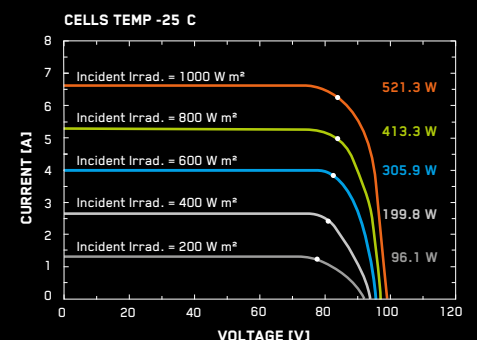
TEMPERATURE RATINGS

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 (IEC)	1500 VDC
Max Series Fuse Rating	20 A

I-V CURVE AT STANDARD TEXT CONDITION



WARRANTY

10-YEAR Product Warranty

25-YEAR Linear Power Output Warranty