GRIFFIN

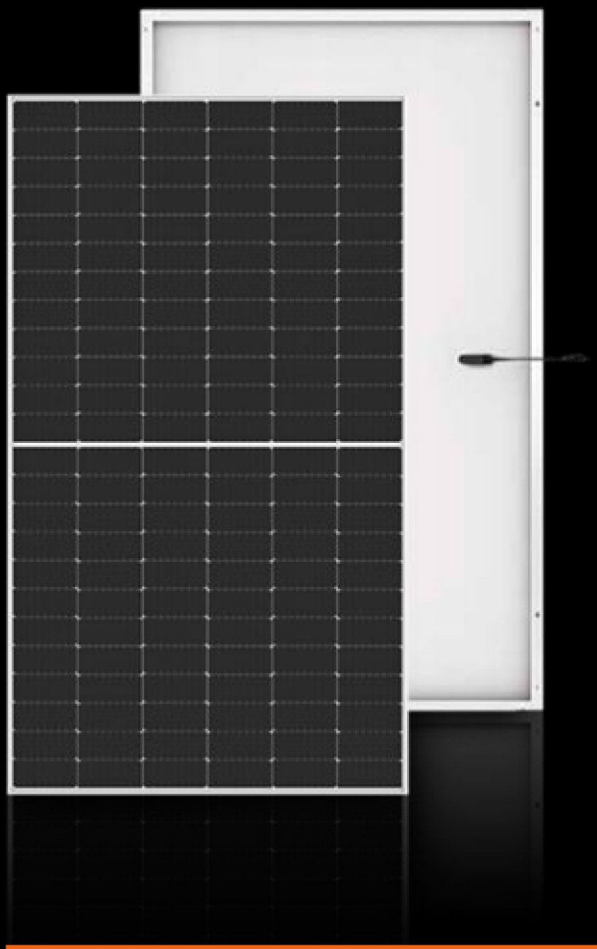
SQG530M8-144HC
SQG535M8-144HC
SQG540M8-144HC
SQG545M8-144HC
SQG550M8-144HC

144 CELL
Monocrystalline PERC

21.3%
Maximum Efficiency

530-550 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

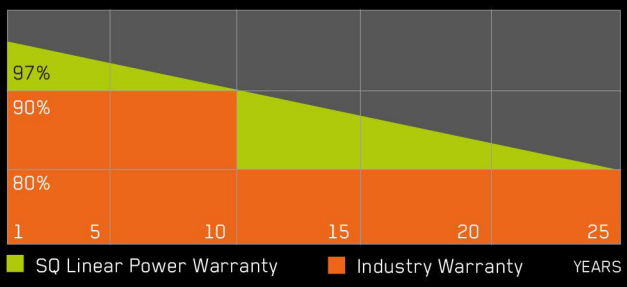
Certified to withstand the most challenging environmental conditions

- 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

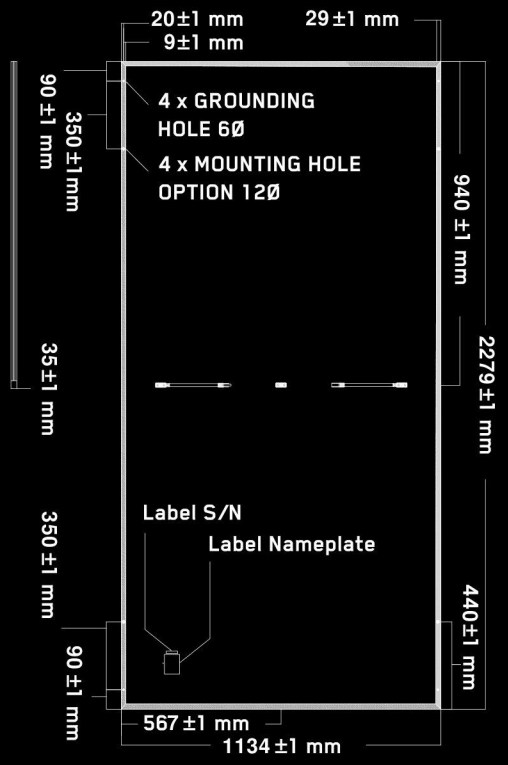


COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

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

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 explansion, 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	1134 x 2279 x 35 mm
Weight	29.0 kg
Solar Cells	Monocrystalline PERC
Cell Arrangement	2 x 3 Strings of 24 Monocrystalline PERC
Glass	3.2 mm Thick Anti-Reflection Solar Glass
Backsheet	Highly Resistant Polyester
Frame	Clear Anodic Coated Aluminium
J-Box	IP68
Cables	1 x 4.0 mm^2 Solar Cable
Connectors	MC4 or Factory-Installed Compatible

ELECTRICAL DATA at STC*	UNIT	SQG530M8-144HC	SQG535M8-144HC	SQG540M8-144HC	SQG545M8-144HC	SQG550M8-144HC
Nominal Power - P_{MAX}	Wp	530	535	540	545	550
Power Tolerance	W	±5	±5	±5	±5	±5
Nominal Power Voltage - V_{MP} (±0.5%)	V	41.71	41.98	42.15	42.42	42.58
Nominal Power Current - I_{MP} (±0.5%)	A	12.71	12.74	12.81	12.85	12.92
Open Circuit Voltage - V_{OC} (±0.5%)	V	49.68	48.82	50.00	50.40	50.90
Short Circuit Current - I_{SC} (±0.5%)	A	13.34	13.38	13.46	13.50	13.58
Module Efficiency	%	20.6	20.8	21.0	21.1	21.3

***STC:** Standard Test Conditions (Light Spectrum AM 1.5, Irradiance 1000 W/m^2, Temperature 25°C)

ELECTRICAL DATA at NMOT**						
Nominal Power - P_{MAX}	Wp	424	428	432	436	440
Power Tolerance	W	±5	±5	±5	±5	±5
Nominal Power Voltage - V_{MP} (±0.5%)	V	41.71	41.98	42.15	42.42	42.58
Nominal Power Current - I_{MP} (±0.5%)	A	10.17	10.19	10.25	10.28	10.33
Open Circuit Voltage - V_{OC} (±0.5%)	V	39.74	39.86	39.92	39.97	40.09
Short Circuit Current - I_{SC} (±0.5%)	A	10.68	10.71	10.77	10.80	10.86
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/m^2, Temperature 20°C)

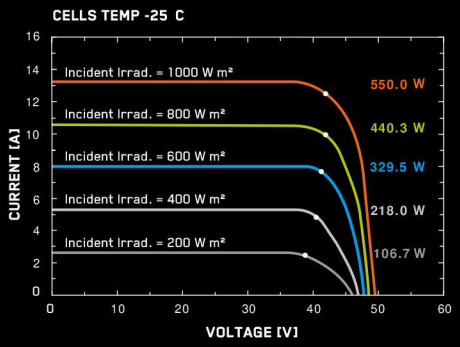
TEMPERATURE RATINGS

Temperature Coefficient of PMAX	-0.38% / °C
Temperature Coefficient of VOC	-0.36% / °C
Temperature Coefficient of ISC	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 TEST CONDITION



WARRANTY

10-YEAR Product Warranty

25-YEAR Linear Power Output Warranty

*Data sheets are subject to change without notice.