

BUFFALO

SQF310M-60
SQF315M-60
SQF320M-60

SQF325M-60
SQF330M-60



60 CELL
Monocrystalline Perc

19.7%
Maximum Efficiency



310-330 W
Power Output Range

+5W
Power Tolerance



Well-rounded design with versatile and excellent performance

- 1500 VDC system voltage

Design promotes efficiency & savings

- Passivated Emitter and Rear Cell (PERC) technology
- 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

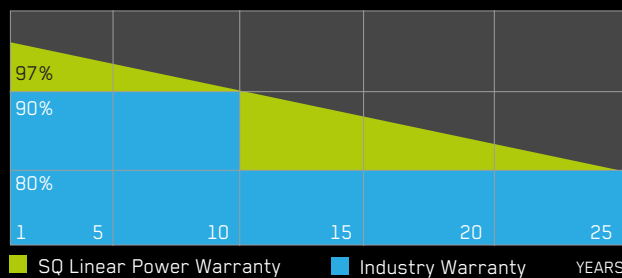
LINEAR POWER WARRANTY

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 /

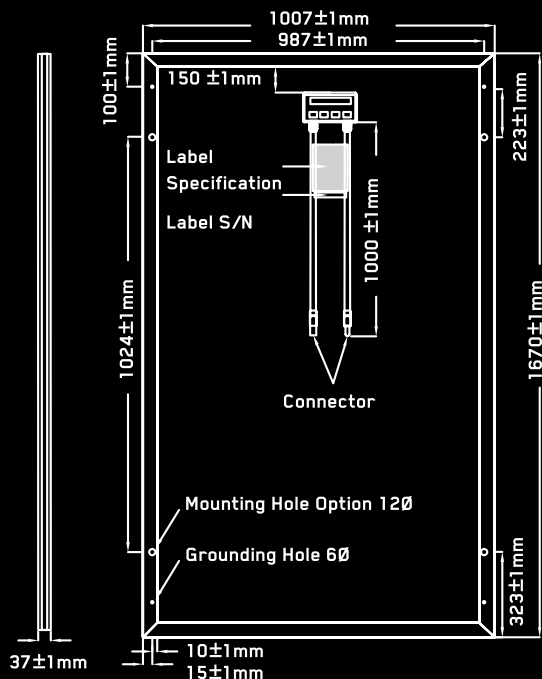
Indonesian National Standard (SNI)

IEC 61730:2016

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	1670 x 1007 x 37 mm
Weight	19 kg
Solar Cells	Monocrystalline PERC 158.75 x 158.75 mm
Cell Arrangement	3 Strings of 20 Monocrystalline PERC Cells
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	ST4 or Factory-Installed Compatible

ELECTRICAL DATA at STC*

	UNIT	SQF310M-60	SQF315M-60	SQF320M-60	SQF325M-60	SQF330M-60
Nominal Power - P _{MAX}	Wp	310	315	320	325	330
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V _{MP}	V	32.34	32.86	33.38	33.53	33.56
Nominal Power Current - I _{MP}	A	9.59	9.59	9.59	9.69	9.83
Open Circuit Voltage - V _{oc}	V	40.14	40.14	40.14	40.74	41.10
Open Circuit Voltage - I _{sc}	A	10.16	10.16	10.16	10.25	10.37
Module Efficiency	%	18.4	18.7	19.0	19.3	19.6

*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	248	252	256	260	264
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V _{MP}	V	32.7	33.2	33.4	33.9	33.8
Nominal Power Current - I _{MP}	A	7.59	7.59	7.67	7.67	7.81
Open Circuit Voltage - V _{oc}	V	32.11	32.11	32.11	32.11	32.74
Open Circuit Voltage - I _{sc}	A	8.13	8.13	8.13	8.13	8.24
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

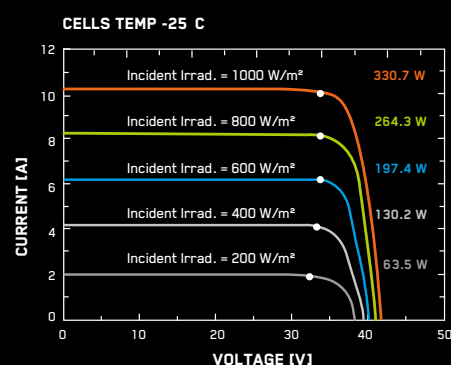
Temperature Coefficient of P _{MAX}	-0.38% / °C
Temperature Coefficient of V _{OC}	-0.36% / °C
Temperature Coefficient of I _{SC}	0.07% / °C

(DO NOT connect Fuse in Combiner Box with 2 or more strings in parallel connection)

MAXIMUM RATINGS

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

I-V CURVE AT STANDARD TEXT CONDITION



WARRANTY

10-YEAR Product Warranty

25-YEAR Linear Power Output Warranty