

BUFFALO

SQF310M-60
SQF315M-60
SQF320M-60

SQF325M-60
SQF330M-60



60 CELL
Monocrystalline PERC

19.6%
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

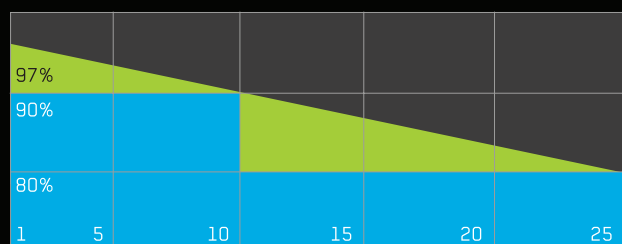
LINEAR POWER WARRANTY

10 years

product warranty

25 years

linear power output warranty



■ SQ Linear Power Warranty ■ Industry Warranty YEARS

COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007

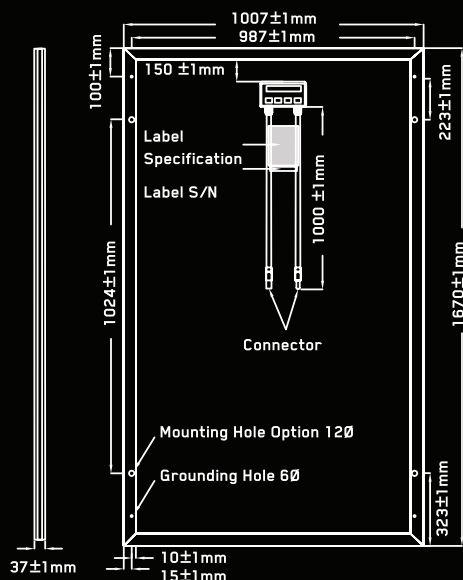
Quality Management System
Environmental Management System
Occupational Health & Safety
Management System

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	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	MC4 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} (±0.5%)	V	32.70	33.30	33.38	33.53	33.56
Nominal Power Current - I _{MP} (±0.5%)	A	9.48	9.48	9.59	9.69	9.83
Open Circuit Voltage - V _{OC} (±0.5%)	V	40.14	40.14	40.70	41.10	41.30
Short Circuit Current - I _{SC} (±0.5%)	A	10.16	10.16	10.22	10.28	10.39
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} (±0.5%)	V	32.34	32.86	33.38	33.53	33.56
Nominal Power Current - I _{MP} (±0.5%)	A	7.67	7.67	7.67	7.76	7.87
Open Circuit Voltage - V _{OC} (±0.5%)	V	32.11	32.11	32.11	32.59	32.88
Short Circuit Current - I _{SC} (±0.5%)	A	8.13	8.13	8.13	8.20	8.30
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

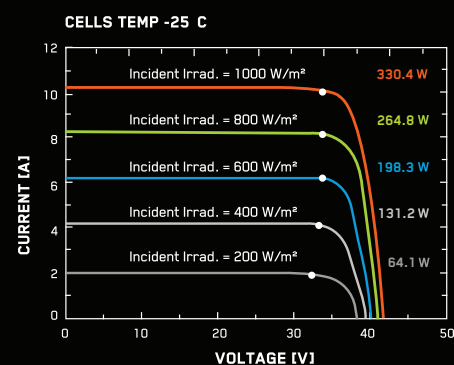
Temperature Coefficient of P _{MAX}	-0.38% / °C
Temperature Coefficient of V _{OC}	-0.36% / °C
Temperature Coefficient of I _{SC}	0.07% / °C

(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 TEST CONDITION



WARRANTY

10-YEAR Product Warranty

25-YEAR Linear Power Output Warranty

PACKAGING INFO

ORIENTATION	Vertical	ORIENTATION	Horizontal
PIECES PER PALLET	10	PIECES PER PALLET	30
SIZE OF PACKING (MM)	1070x410x1870	SIZE OF PACKING (MM)	1690x1160x1160
WEIGHT OF PER PALLET (KG)	210	WEIGHT OF PER PALLET (KG)	595
PIECES PER CONTAINER	280	PIECES PER CONTAINER	840
PIECES PER CONTAINER	20ft	PIECES PER CONTAINER	40ft HC

*Data sheets are subject to change without notice.