

# BUFFALO

SQF380M-72  
SQF385M-72  
SQF390M-72

SQF395M-72  
SQF400M-72



**72 CELL**  
Monocrystalline PERC

**20.3%**  
Maximum Efficiency



**380-400 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

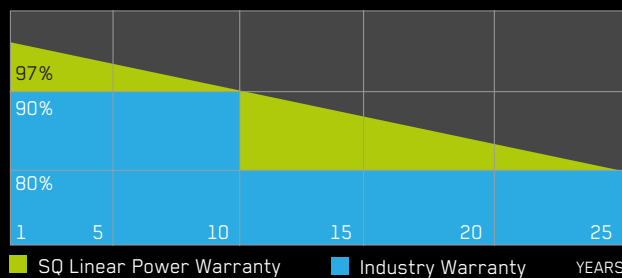
## Certified to withstand the most challenging environmental conditions

- 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

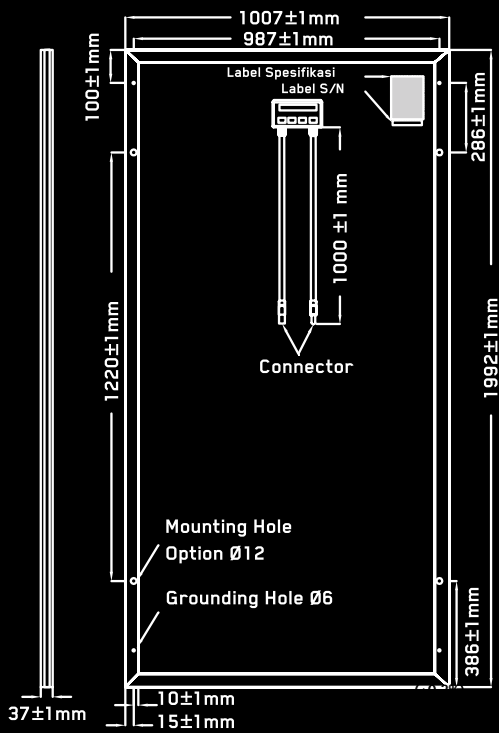


### COMPREHENSIVE PRODUCTS & SYSTEM CERTIFICATES

- ISO 9001:2015** Quality Management System
- ISO 14001:2015** Environmental Management System
- OHSAS 18001:2007** Occupational Health & Safety Management System
- IEC 61215:2016 / 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	1992 x 1007 x 37 mm
Weight	24 kg
Solar Cells	Monocrystalline PERC 158.75 x 158.75 mm
Cell Arrangement	3 Strings of 24 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 <sup>2</sup> Solar Cable
Connectors	MC4 or Factory-Installed Compatible

### ELECTRICAL DATA at STC\*

	UNIT	SQF380M-72	SQF385M-72	SQF390M-72	SQF395M-72	SQF400M-72
Nominal Power - P <sub>MAX</sub>	Wp	380	385	390	395	400
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V <sub>MP</sub> (±0.5%)	V	39.70	40.16	40.68	40.80	40.80
Nominal Power Current - I <sub>MP</sub> (±0.5%)	A	9.59	9.59	9.59	9.70	9.84
Open Circuit Voltage - V <sub>OC</sub> (±0.5%)	V	48.16	48.16	48.16	48.88	49.32
Short Circuit Current - I <sub>SC</sub> (±0.5%)	A	10.16	10.16	10.16	10.24	10.37
Module Efficiency	%	19.0	19.2	19.5	19.7	20.3

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

### ELECTRICAL DATA at NMOT\*\*

Nominal Power - P <sub>MAX</sub>	Wp	304	308	312	317	326
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V <sub>MP</sub> (±0.5%)	V	39.64	40.16	40.68	40.85	41.49
Nominal Power Current - I <sub>MP</sub> (±0.5%)	A	7.67	7.67	7.67	7.76	7.87
Open Circuit Voltage - V <sub>OC</sub> (±0.5%)	V	38.53	38.53	38.53	39.11	39.45
Short Circuit Current - I <sub>SC</sub> (±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/m<sup>2</sup>, Temperature 20°C)

### TEMPERATURE RATINGS

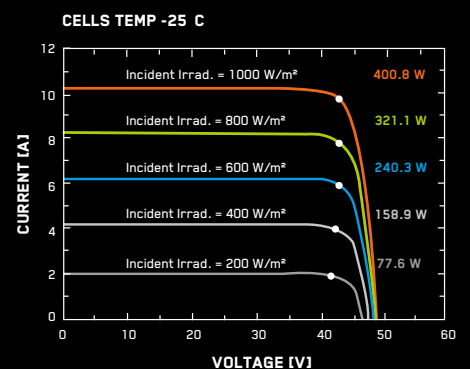
Temperature Coefficient of P <sub>MAX</sub>	-0.38% / °C
Temperature Coefficient of V <sub>OC</sub>	-0.36% / °C
Temperature Coefficient of I <sub>SC</sub>	0.07% / °C

(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