

# BUFFALO

SQF250M-48  
SQF255M-48  
SQF260M-48

SQF265M-48  
SQF270M-48



**48 CELL**  
Monocrystalline PERC

**19.9%**  
Maximum Efficiency



**250-270 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

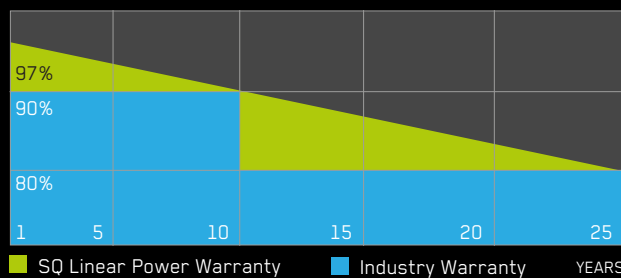
## Certified to withstand the most challenging environmental conditions

- 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  
ISO 14001:2015  
OHSAS 18001:2007

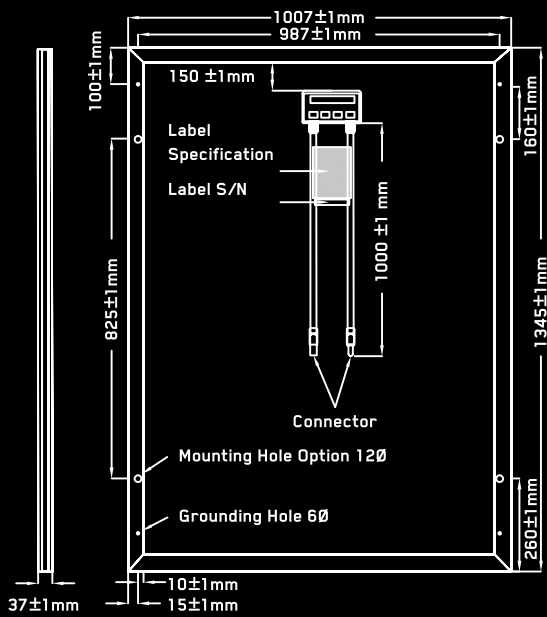
Quality Management System  
Environmental Management System  
Occupational Health & Safety  
Management System

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

<b>Module Dimensions</b>	1345 x 1007 x 37 mm
<b>Weight</b>	16 kg
<b>Solar Cells</b>	Monocrystalline PERC 158.75 x 158.75 mm
<b>Cell Arrangement</b>	3 Strings of 16 Monocrystalline PERC Cells
<b>Glass</b>	3.2 mm Thick Anti-Reflection Solar Glass
<b>Backsheet</b>	Highly Resistant Polyester
<b>Frame</b>	Clear Anodic Coated Aluminium
<b>J-Box</b>	IP68
<b>Cables</b>	1 x 4.0 mm <sup>2</sup> Solar Cable
<b>Connectors</b>	MC4 or Factory-Installed Compatible

### ELECTRICAL DATA at STC\*

	UNIT	SQF250M-48	SQF255M-48	SQF260M-48	SQF265M-48	SQF270M-48
Nominal Power - P <sub>MAX</sub>	Wp	250	255	260	265	270
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V <sub>MP</sub> (±0.5%)	V	26.08	26.60	26.60	27.34	27.60
Nominal Power Current - I <sub>MP</sub> (±0.5%)	A	9.59	9.59	9.76	9.69	9.84
Open Circuit Voltage - V <sub>OC</sub> (±0.5%)	V	32.11	32.11	32.70	32.59	32.88
Short Circuit Current - I <sub>SC</sub> (±0.5%)	A	10.16	10.16	10.30	10.25	10.37
Module Efficiency	%	18.5	18.8	19.2	19.6	19.9

\*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	200	204	208	212	216
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V <sub>MP</sub> (±0.5%)	V	26.08	26.60	27.12	27.34	27.46
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	25.69	25.69	25.69	26.07	26.30
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

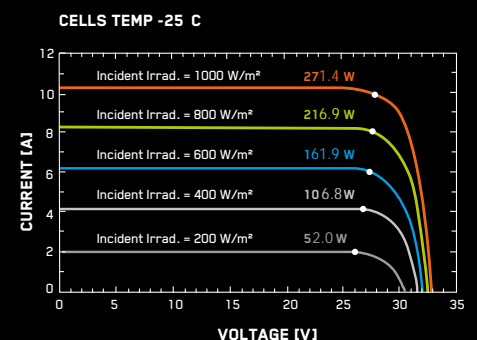
Temperature Coefficient of P <sub>MAX</sub>	-0.38% / °C
Temperature Coefficient of V <sub>OC</sub>	-0.36% / °C
Temperature Coefficient of I <sub>SC</sub>	0.07% / °C

(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