

BUFFALO

SQF320M-60
SQF325M-60
SQF330M-60

SQF335M-60
SQF340M-60



60 CELL
Monocrystalline PERC

20.2%
Maximum Efficiency



320-340 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

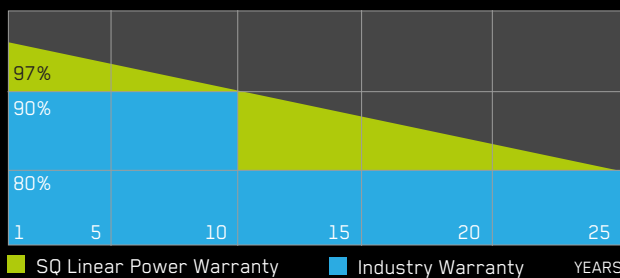
Certified to withstand the most challenging environmental conditions

- 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

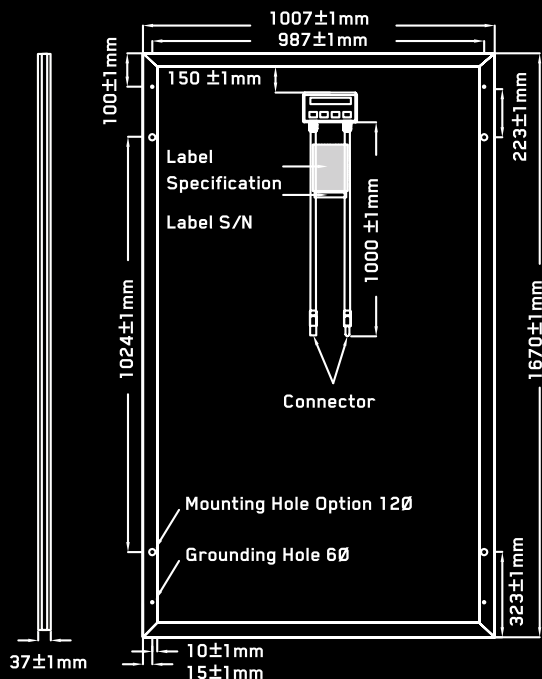
Quality Management System
Environmental Management System
Occupational Health & Safety Management System

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

| | |
|-------------------|--|
| 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 | SQF320M-60 | SQF325M-60 | SQF330M-60 | SQF335M-60 | SQF340M-60 |
|---|------|------------|------------|------------|------------|------------|
| Nominal Power - P _{MAX} | Wp | 320 | 325 | 330 | 335 | 340 |
| Power Tolerance | W | +5 | +5 | +5 | +5 | +5 |
| Nominal Power Voltage - V _{MP} (±0.5%) | V | 33.38 | 33.54 | 33.57 | 34.07 | 34.57 |
| Nominal Power Current - I _{MP} (±0.5%) | A | 9.59 | 9.69 | 9.83 | 9.83 | 9.83 |
| Open Circuit Voltage - V _{OC} (±0.5%) | V | 40.69 | 41.06 | 41.26 | 41.70 | 42.15 |
| Short Circuit Current - I _{SC} (±0.5%) | A | 10.22 | 10.28 | 10.39 | 10.43 | 10.48 |
| Module Efficiency | % | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 |

*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 | 256 | 260 | 264 | 268 | 272 |
| Power Tolerance | W | +5 | +5 | +5 | +5 | +5 |
| Nominal Power Voltage - V _{MP} (±0.5%) | V | 33.38 | 33.53 | 33.56 | 34.07 | 34.57 |
| Nominal Power Current - I _{MP} (±0.5%) | A | 7.67 | 7.76 | 7.87 | 7.87 | 7.87 |
| Open Circuit Voltage - V _{OC} (±0.5%) | V | 32.11 | 32.59 | 32.88 | 32.88 | 32.88 |
| Short Circuit Current - I _{SC} (±0.5%) | A | 8.13 | 8.20 | 8.30 | 8.30 | 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

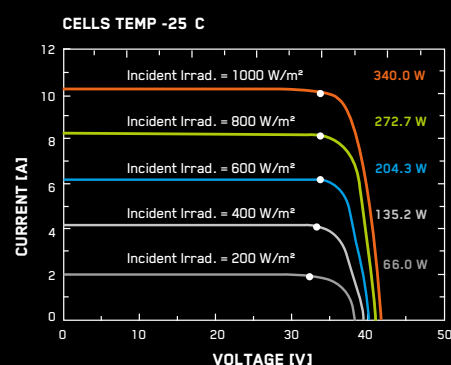
| | |
|---|-------------|
| Temperature Coefficient of P _{MAX} | -0.38% / °C |
| Temperature Coefficient of V _{OC} | -0.36% / °C |
| Temperature Coefficient of I _{SC} | 0.07% / °C |

(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