

# QUARTZ

SQZB180M-36    SQZB195M-36  
SQZB185M-36    SQZB200M-36  
SQZB190M-36



**36 CELL**  
Monocrystalline Module

**20.4%**  
Maximum Efficiency



**180-200 W**  
Power Output Range

**+5W**  
Power Tolerance



## Well-rounded design with versatile and excellent performance

- 1500 VDC system voltage

## Design promotes efficiency & savings

- 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

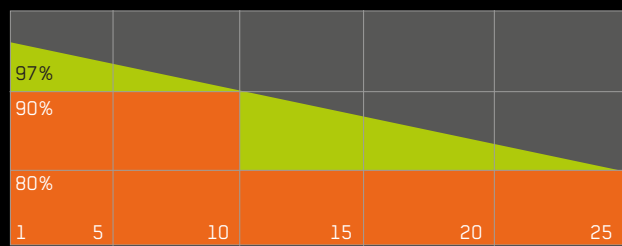
## LINEAR POWER WARRANTY

**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 /**

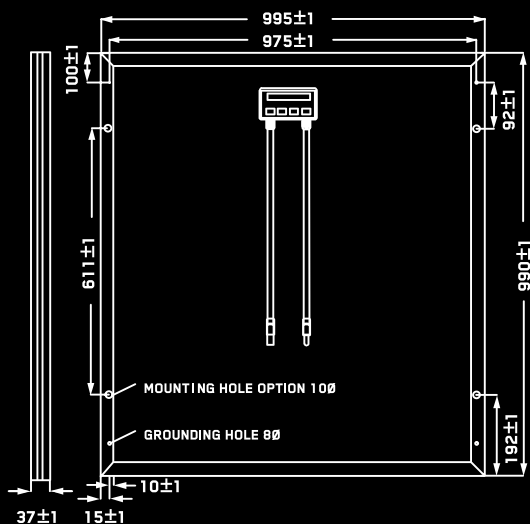
**IEC 61730:2016**

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

<b>Module Dimensions</b>	995 x 995 x 37 mm
<b>Weight</b>	11.8 kg
<b>Solar Cells</b>	Monocrystalline 156.75 x 156.75 mm
<b>Cell Arrangement</b>	3 Strings of 12 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>	ST4 or Factory-Installed Compatible

### ELECTRICAL DATA at STC\*

	UNIT	SQZB180M-36	SQZB185M-36	SQZB190M-36	SQZB195M-36	SQZB200M-36
Nominal Power - P <sub>MAX</sub>	Wp	181	187	190	196	202
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V <sub>MP</sub>	V	19.90	19.94	20.67	21.33	21.98
Nominal Power Current - I <sub>MP</sub>	A	9.38	9.38	9.38	9.38	9.38
Open Circuit Voltage - V <sub>oc</sub>	V	24.37	24.37	24.37	24.37	24.37
Short Circuit Current - I <sub>sc</sub>	A	9.83	9.83	9.83	9.83	9.83
Module Efficiency	%	18.28	18.89	19.19	19.80	20.40

\*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	145	150	152	157	162
Power Tolerance	W	+5	+5	+5	+5	+5
Nominal Power Voltage - V <sub>MP</sub>	V	19.18	19.82	20.13	20.77	21.41
Nominal Power Current - I <sub>MP</sub>	A	7.55	7.55	7.55	7.55	7.55
Open Circuit Voltage - V <sub>oc</sub>	V	23.15	23.28	23.28	23.28	23.28
Short Circuit Current - I <sub>sc</sub>	A	8.21	8.21	8.21	8.21	8.21
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)

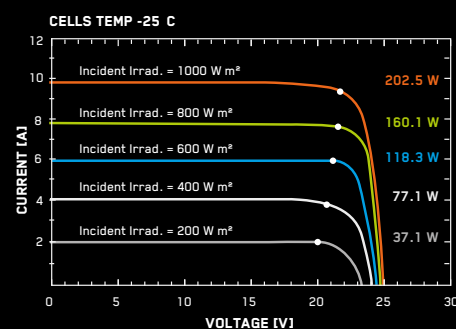
### TEMPERATURE RATINGS

Temperature Coefficient of P <sub>MAX</sub>	-0.40% / °C
Temperature Coefficient of V <sub>OC</sub>	-0.33% / °C
Temperature Coefficient of I <sub>SC</sub>	0.06% / °C

### MAXIMUM RATINGS

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

### I-V CURVE AT STANDARD TEST CONDITION



### WARRANTY

**10-YEAR** Product Warranty

**25-YEAR** Linear Power Output Warranty