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Solar Panel Guide Specification Data Sheet

**Nantong Qiangsheng Photovoltaic Technology Co.,
Ltd.**

QSDGP/255-265Wp

QSDGP-255

Also available on the web at
EnergyPal.com/nantong-qiangsheng-photovoltaic-technology-co-ltd-solar-panels/qsdgp-255

Double Glass

Poly Crystalline Silicon Solar Module

QSDGP/255-265Wp



Advantages:

- Frameless, reduce possibility of PID occurrence & power degradation
- Lower annual power degradation & more solar power generation
- Double glass design, better protection for solar cell & reduce cell micro crack possibility
- Anti sand abrasion, anti sea water corrosion, fitting to sandy or sea nearby area projects
- Supreme fire resistance, less fire damage possibility caused by arc & hot spots
- Easy cleaning, no frame, no dust or snow accumulating on the frame edge
- Higher maximum system voltage up to 1500VDC, saving system cost

Application:

- Greenhouse, Façade, Carport, Patio, BIPV, sandy or sea nearby area projects

Temperature Coefficient

| | |
|-----------------------------------------------|--------------|
| Nominal operating cell temperature (NOCT) | 45 °C ± 2 °C |
| Short-circuit current temperature coefficient | 0.059%/ °C |
| Open-circuit voltage temperature coefficient | -0.32%/ °C |
| Peak power temperature coefficient | -0.43%/ °C |
| Power tolerance | 0~+3% |

Electrical Specification

| ELECTRICAL DATA @ STC | QSDGP-255 | QSDGP-260 | QSDGP-265 |
|--------------------------------|----------------------------|-----------|-----------|
| Peak Power Watts-Pmax(Wp) | 255 | 260 | 265 |
| Maximum Power Voltage - Vmp(V) | 30.2 | 30.4 | 30.6 |
| Maximum Power Current - Imp(A) | 8.43 | 8.56 | 8.66 |
| Open Circuit Voltage - Voc(V) | 37.4 | 37.5 | 37.7 |
| Short Circuit Current - Isc(A) | 9.00 | 9.12 | 9.23 |
| Module Efficiency (%) | 15.75 | 16.16 | 16.47 |
| Maximum System Voltage | 1500VDC(IEC) / 1000VDC(UL) | | |

Datas At Standard Test Conditions STC(Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25 °C).

Warranty

10-year limited product warranty

Limited performance warranty: 10 years at 90% of the minimal rated power output, 25years at 80% of the minimal rated power output

Guarantee positive power tolerance: 0~+3%

Specifications

| | |
|--------------------------|-----------------------------------------------------------------------------|
| Cell | Polycrystalline Silicon solar cells 156 mm * 156 mm / 6 inch |
| No. of cells | 60 (6 *10) pcs |
| Dimension of module | 1644 mm * 985 mm * 6.0 mm (w/t J-box) 64.50 inch * 39.0 inch * 2.36 inch |
| Weight | 25.52 kg |
| Front Glass | 3.2 mm tempered AR glass |
| Back Glass | 2.0 mm heat strengthened glass |
| Frame | frameless |
| Junction Box | IP67 |
| Plug connector | IP67 |
| Bypass-Diodes | 6 pcs. (IEC) / 3 pcs. (UL) |
| Max. Fuse Current Rating | 15 A |
| Type of Connector | MC4 or MC4 Comparable R 50133919 0003 |
| Cable length: | 2 * 280~1000 mm / 2 * 11.02~39.37 inch |

For further information on all QS Solar products, please contact:

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