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Solar Panel Guide Specification Data Sheet

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

QSM6-48/210-220W

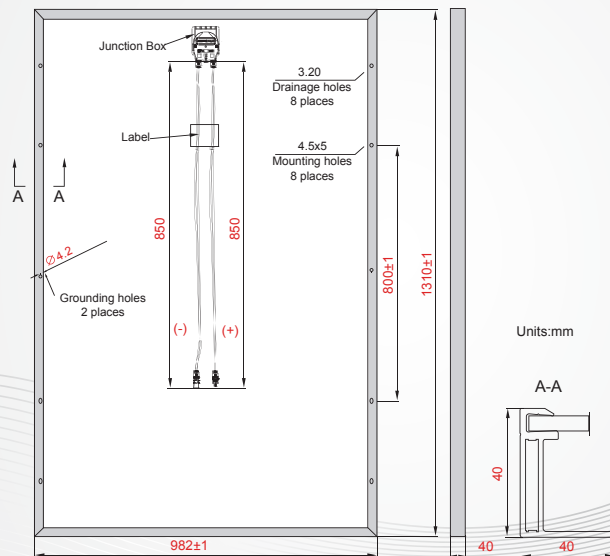
QSM-220

Also available on the web at
EnergyPal.com/nantong-qiangsheng-photovoltaic-technology-co-ltd-solar-panels/qsm-220

Mono Crystalline Silicon Solar Module

QSM6-48/210-220

QS Solar
Powering Your Future



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 | QSM-210 | QSM-215 | QSM-220 |
|----------------------------------|---------------------------|---------|---------|
| Peak Power Watts-Pmax(Wp) | 210 | 215 | 220 |
| Power Output tolerance - Pmax(%) | 0/+3 | 0/+3 | 0/+3 |
| Maximum Power Voltage - Vmp(V) | 24.2 | 24.4 | 24.6 |
| Maximum Power Current - Imp(A) | 8.69 | 8.81 | 8.94 |
| Open Circuit Voltage - Voc(V) | 30.7 | 30.9 | 31.1 |
| Short Circuit Current - Isc(A) | 9.34 | 9.41 | 9.48 |
| Module Efficiency (%) | 16.32 | 16.71 | 17.10 |
| Maximum System Voltage | 1000VDC(IEC) / 600VDC(UL) | | |

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

Packaging Details

| | |
|---------------------------------------|---------|
| Number of modules per pallet | 26 |
| Number of pallets per 40'HQ container | 32 |
| Number of modules per 40'HQ container | 690 pcs |

Specifications

| | |
|--------------------------|---|
| Cell | Polycrystalline Silicon solar cells 156 mm * 156 mm / 6 inch |
| No. of cells | 48 (6 * 8) pcs |
| Dimension of module | 1310 mm * 982 mm * 40 mm 51.6 inch * 39.0 inch * 1.57 inch |
| Weight | 15 kg |
| Front Glass | 3.2 mm (0.13 inch) tempered glass |
| Frame | Anodized aluminum alloy |
| 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 * 850 mm / 2 * 33.46 inch |

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%

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

QS Solar
Tel: +86 21 5257 0303
Fax: +86 21 6275 3211
Email: sales@qssolar.com
Website: www.qssolar.com



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