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Solar Panel Guide Specification Data Sheet

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

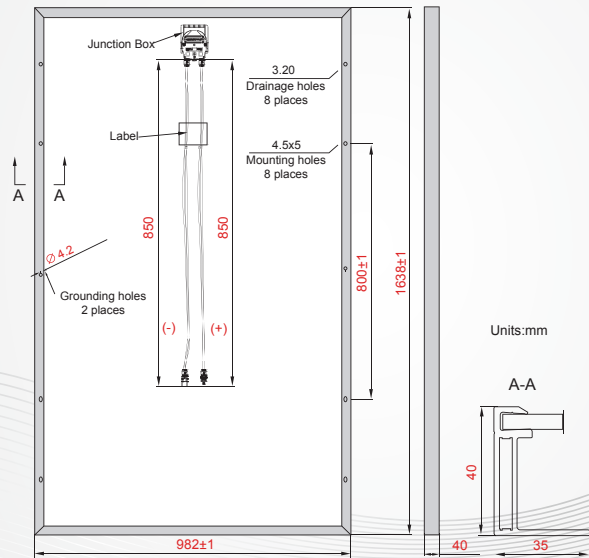
QSM6-60/265-280W

QSM-270

Also available on the web at
EnergyPal.com/nantong-qiangsheng-photovoltaic-technology-co-ltd-solar-panels/qsm-270

Mono Crystalline Silicon Solar Module

QSM6-60/265-280



Temperature Coefficient

Nominal operating cell temperature (NOCT)	45 °C ± 2 °C
Short-circuit current temperature coefficient	0.045%/ °C
Open-circuit voltage temperature coefficient	-0.34%/ °C
Peak power temperature coefficient	-0.42%/ °C
Power tolerance	0~+3%

Electrical Specification

ELECTRICAL DATA @ STC	QSM-265	QSM-270	QSM-275	QSM-280
Peak Power Watts-Pmax(Wp)	265	270	275	280
Maximum Power Voltage - Vmp(V)	31.63	31.37	31.66	31.95
Maximum Power Current - Imp(A)	8.38	8.61	8.69	8.77
Open Circuit Voltage - Voc(V)	37.85	38.51	38.86	39.22
Short Circuit Current - Isc(A)	8.94	9.14	9.22	9.30
Module Efficiency (%)	16.47	16.79	17.10	17.41
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	28
Number of modules per 40'HQ container	728 pcs

Specifications

Cell	Monocrystalline Silicon solar cells 156 mm * 156 mm / 6 inch
No. of cells	60 (6 * 10) pcs
Dimension of module	1638 mm * 982 mm * 40 mm 64.50 inch * 39.0 inch * 1.57 inch
Weight	18.0 kg
Front Glass	3.2 mm (0.13 inch) tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP65
Plug connector	IP67
Bypass-Diodes	6 pcs. (IEC) / 3 pcs. (UL)
Max. Fuse Current Rating	15 A
Type of Connector	MC4 or MC4 Comparable R501339190003
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:

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