



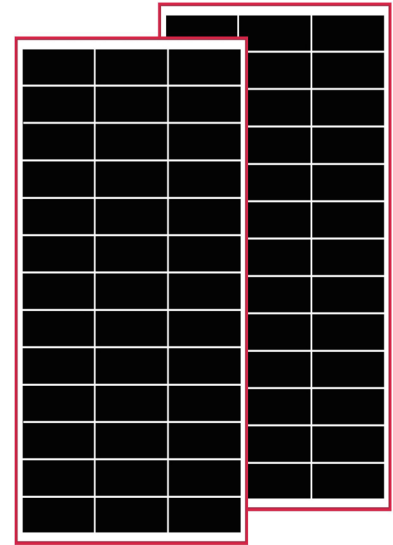
Mono 210 39 HALF CELLS 180-235W

HALF-CELL MONOFACIAL MODULE

TYPE: QSXXXU

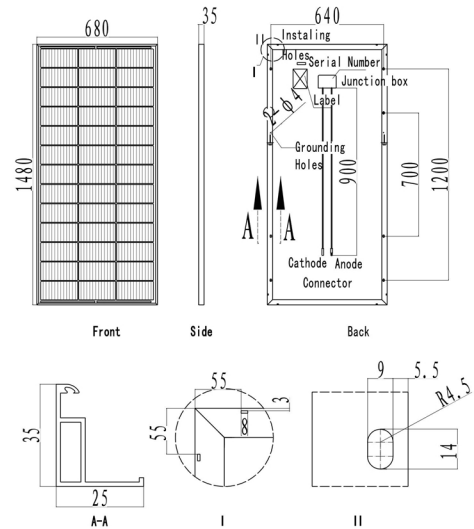
POWER OUTPUT
180-235W

MAX EFFICIENCY
23.5%



Mechanical Characteristics

Solar Cell	Monocrystalline silicon 210mmX105mm
No. of Cells	39(3x13)
Dimensions	1480 x 680 x 35mm (58.27x26.77x1.38 inches)
Weight	10.5 kgs
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm ² , 900 mm in length or customized length
Junction Box	IP68 rated
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1000 V DC (IEC)
Maximum Series Fuse Rating	15 A
Power Tolerance	0/+5 W



Electrical Characteristics

Module Type	QS235U	QS230U	QS225U	QS220U	QS215U	QS210U	QS205U	QS200U	QS195U	QS190U	QS185U	QS180U
Testing Condition	STC	STC	STC	STC	STC	STC	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	235	230	225	220	215	210	205	200	195	190	185	180
Optimum Operating Voltage (Vmp/V)	22.55	22.38	22.26	22.05	21.8	21.6	21.2	20.8	20.7	20.5	20.2	19.66
Optimum Operating Current (Imp/A)	10.43	10.28	10.11	9.98	9.87	9.73	9.67	9.62	9.43	9.27	9.16	9.13
Open Circuit Voltage (Voc/V)	24.42	24.35	24.24	24.21	24.18	24.12	24.05	23.95	23.72	23.52	23.25	23.08
Short Circuit Current (Isc/A)	11.38	11.25	10.98	10.75	10.63	10.52	10.25	10.38	10.25	10.18	9.93	9.78
Module Efficiency (%)	23.5	23.0	22.5	22.0	21.5	21.0	20.5	20.0	19.5	19.0	18.5	18.0

STC: Irradiance 1000 W/m²; module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Packing Configuration

Container	40' HQ
Pieces per pallet	2Pcs/Carton
Carton per container	850
Pieces per container	1700
Packaging box dimensions	1490x690x80 mm
Packaging box weight	22kg