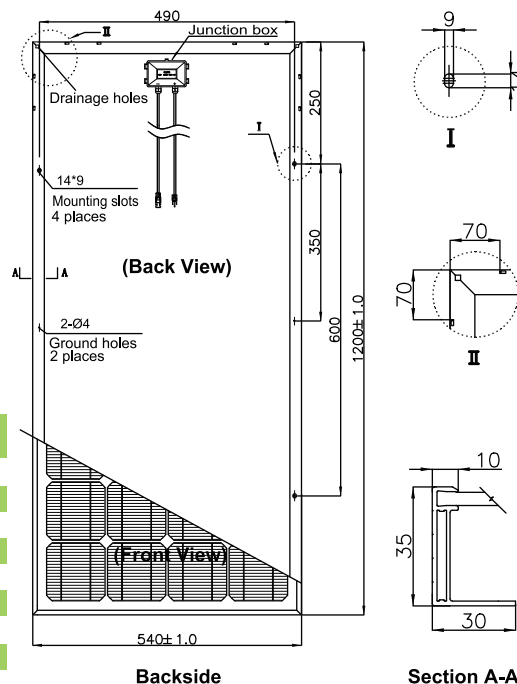
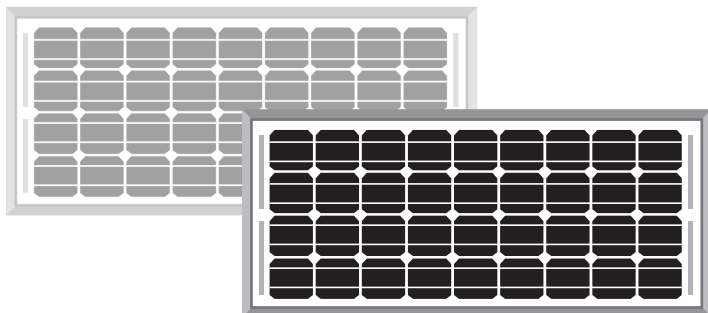




Qihong (shanghai) New Energy Technology Co., Ltd.

Photovoltaic Modules

QHM100W36 Photovoltaic modules 36pcs 125x125mm mono-crystalline silicon cell



MODULE	QHM100W36					
Encapsulation	Glass/EVA/Cell/EVA/TPT					
Size and Number of cells	125mm*125mm 36/4*9pcs					
Maximum Power (Pmax)	W	80	85	90	95	100
Cell efficiency	≥%	15.0	15.4	16.2	16.9	17.8
Module Efficiency	≥%	75.8	75.9	75.1	75.5	76
Tolerance	%	±3				
Open Circuit Voltage (Voc)	V	21.6	21.8	22.0	22.3	22.5
Short Circuit Current (Isc)	A	4.89	5.14	5.45	5.64	5.84
Maximum Power Voltage (Vmp)	V	18.0	18.2	18.2	18.4	18.6
Maximum Power Current (Imp)	A	4.44	4.67	4.95	5.16	5.38
Max.syst.Open Circuit Voltage	V	600				
Diodes	2by-pass					
Dimension	mm	1200x540x35				
Weight	kg	8				
Operate Temp Scope	°C	-40~+85				
Relative humidity	%	0~100%				
Frame Thickness (mm)	35mm					Quantity/Container
						732pcs/20GP、1512pcs/40GP、1512pcs/40HQ

Photovoltaic modules 36pcs 125x125mm mono-crystalline silicon cell

The QHM100W series modules consist of 36pcs 125x125mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and laminated with toughened glass, EVA and TPT of high quality.

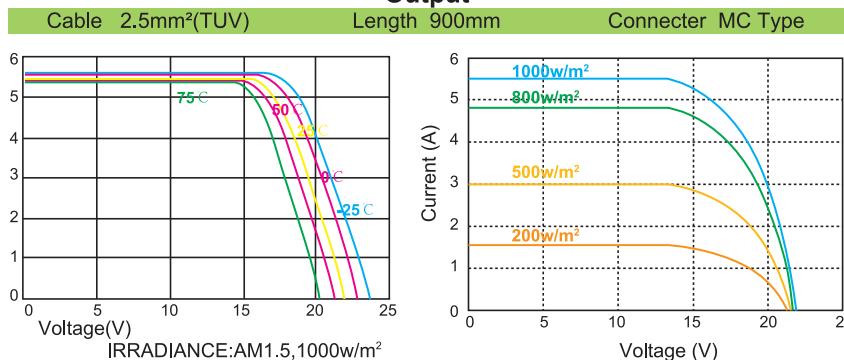
After assembled with anodized aluminum alloy frame, cable and junction box with MC4 connectors, QH solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

Temperature Coefficients

NOCT	45°C ±2°C	
short-circuit-current temperature coefficient	$\alpha(I_{sc})$	0.10%/°C
open-circuit Voltage temperature coefficients	$\beta(V_{oc})$	-0.38%/°C
peak power temperature coefficients	$\gamma(P_{max})$	-0.47%/°C

NOCT: Nominal Operating Cell Temperature date is only for reference.

Output



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