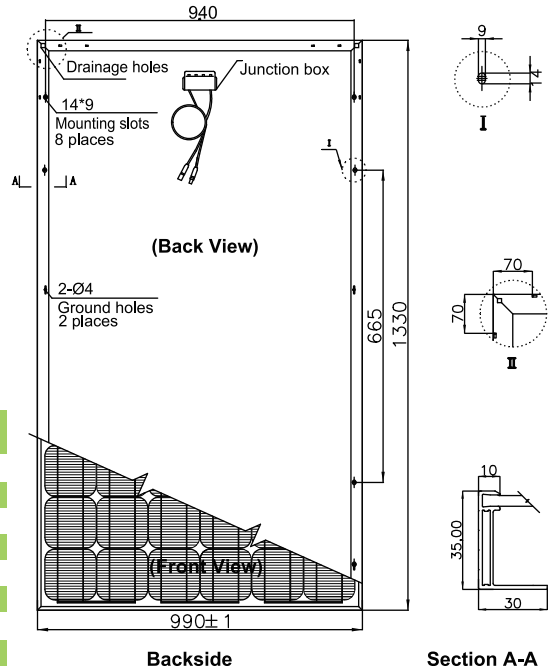
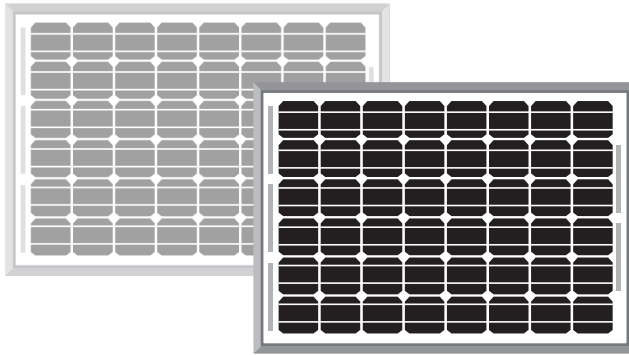




# Qihong ( shanghai ) New Energy Technology Co., Ltd.

## Photovoltaic Modules

### **QHM200W48** Photovoltaic modules 48pcs 156x156mm mono-crystalline silicon cell



MODULE		QHM200W48				
Encapsulation		Glass/EVA/Cell/EVA/TPT				
Size and Number of cells		156mm*156mm 48/6*8pcs				
Maximum Power ( Pmax )	W	180	185	190	195	200
Cell efficiency	≥%	15.6	16.1	16.5	16.7	17.4
Module Efficiency	≥%	75	76	77	78	74.2
Tolerance	%	±3				
Open Circuit Voltage ( Voc )	V	30.1	30.3	30.8	31.0	31.2
Short Circuit Current ( Isc )	A	7.97	8.03	8.01	8.06	8.64
Maximum Power Voltage ( Vmp )	V	24	24.2	24.6	24.8	25
Maximum Power Current ( Imp )	A	7.5	7.64	7.72	7.86	8.0
Max.syst.Open Circuit Voltage	V	1000				
Diodes		6by-pass				
Dimension	mm	1330x990x40				
Weight	kg	16.5				
Operate Temp Scope	℃	-40~+85				
Relative humidity	%	0~100%				
Frame Thickness ( mm )		Quantity/Container				
50mm		288pcs/20GP、 576pcs/40GP、 672pcs/40HQ				
45mm		320pcs/20GP、 640pcs/40GP、 736pcs/40HQ				
40mm		352pcs/20GP、 704pcs/40GP、 832pcs/40HQ				

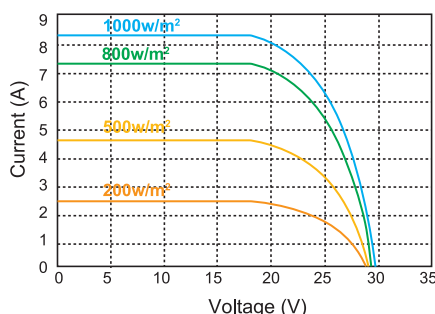
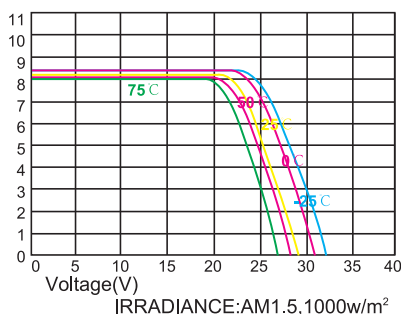
#### Temperature Coefficients

NOCT		45℃ ±2℃
short-circuit-current temperature coefficient	α(Ist)	0.08%/℃
open-circuit Voltage temperature coefficients	β(Voc)	-0.32%/℃
peak power temperature coefficients	γ(Pmax)	-0.38%/℃

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

#### Output

Cable	Length	Connector
4.0mm <sup>2</sup> (TUV)	900mm	MC Type



#### Photovoltaic modules 48pcs 156x156mm mono-crystalline silicon cell

The QHM200W series modules consist of 48pcs 156x156mm 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.

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