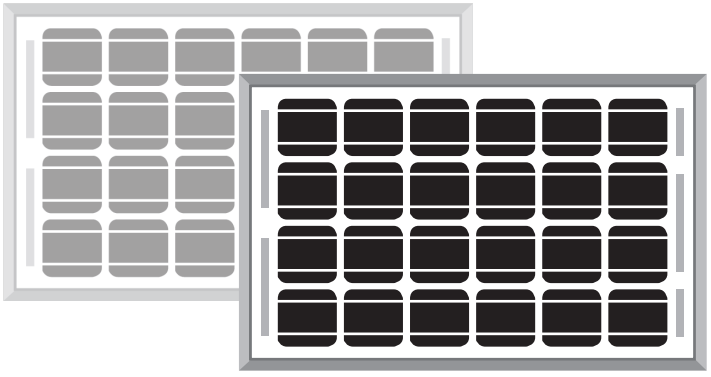
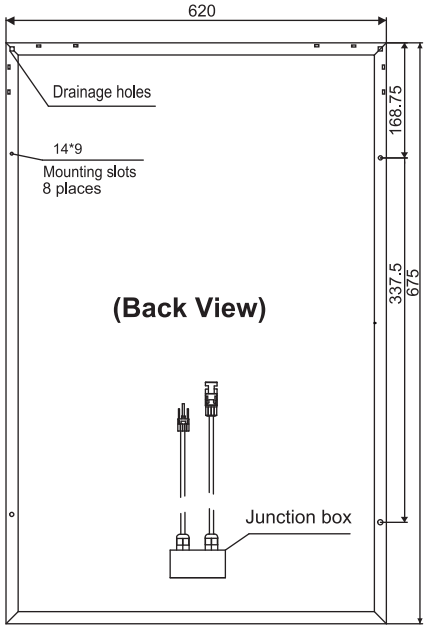
Qihong (shanghai) New Energy Technology Co., Ltd.

Photovoltaic Modules

QHM60W72

Photovoltaic modules
72pcs 125x41.66mm mono-crystalline silicon cell





MODULE		QHM60W72
Encapsulation		Glass/EVA/Cell/EVA/TPT
Size and Number of cells		125mm*41.66mm 72/4*18pcs
Maximum Power （Pmax）	W	60
Cell efficiency	≥%	15.1
Module Efficiency	≥%	76.4
Tolerance	%	±3
Open Circuit Voltage （Voc）	V	20.7
Short Circuit Current （Isc）	A	3.79
Maximum Power Voltage （Vmp）	V	18
Maximum Power Current （Imp）	A	3.33
Max.syst.Open Circuit Voltage	V	600
Diodes		2by-pass
Dimension	mm	840x550x35
Weight	kg	6
Operate Temp Scope	℃	-40~+85
Relative humidity	%	0~100%
Frame Thinkness （mm）		Quantity/Container
35mm		1400pcs/20GP、2900pcs/40GP、3400pcs/40HQ

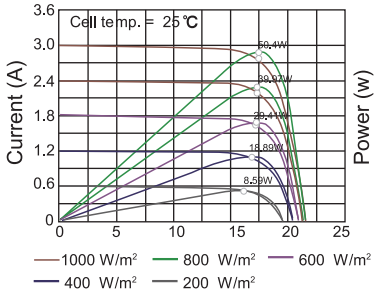
Temperature Coefficients

NOCT		45℃±2℃
short-circuit-current temperature coefficient	α(Lst)	0.10%/℃
open-circuit Voltage temperature coefficients	β(Voc)	-0.38%/℃
peak power temperature coefficients	γ(Pmax)	-0.47%/℃
NOCT: Nominal Operating Cell Temperature date is only for reference.		

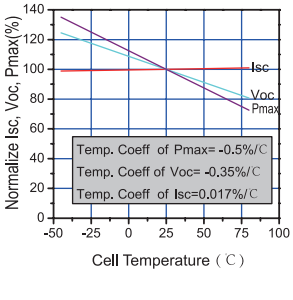
Output

Cable 2.5mm²(TUV)	Length 900mm	Connecter MC Type

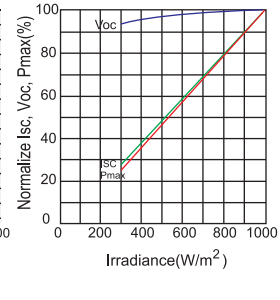
Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax(Cell Temp:25℃)



Photovoltaic modules 72pcs 125x41.66mm mono-crystalline silicon cell

The QHM60W series modules consist of 72pcs 125x41.66mm mono-crystalline high effcient 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,ect.

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