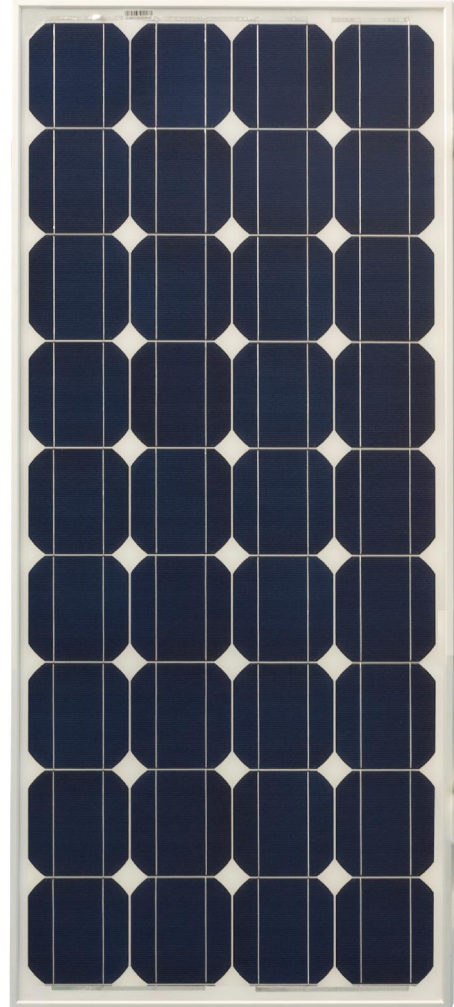




ZHM 080

Monocrystalline Solar Module

- Certificate: TUV, VDE, MCS, IEC 61215/61730, UL1703, CEC, CE, ISO
- 5 years product defect warranty
25 years power output warranty: 90% in 10 years, 80% of 25 years
Entire module certified to withstand high wind loads(2400 Pascal) and snow loads(5400 Pascal)
- Power tolerance: 0~+3%
- Cell: High efficiency solar cells
Junction Box: MC4 connector
TPT back sheet
3.2mm high transmission tempered glass
- Anodized aluminum alloy frame (Available
Depth: 35/45/50mm)



UE Solar Co., Ltd is a manufacturer of high quality mono- and multi-crystalline silicon PV modules in East China. We have the annual capacity of 200MW by April, 2010. Our 860 research staff and workers dedicate themselves to providing inexhaustible and renewable energy to human being.

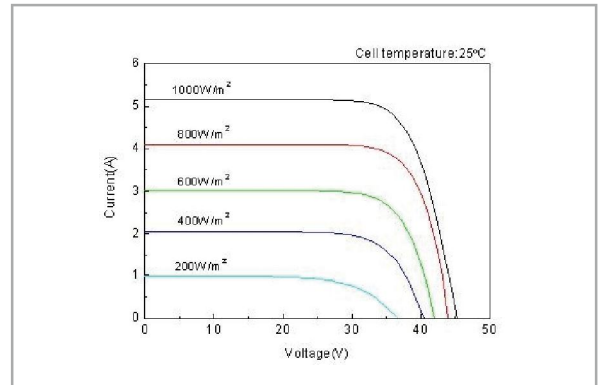
Electrical Performance

ZHM-080			ZHM090	ZHM085	ZHM080	ZHM075
Peak power	Pmax	Wp	90	85	80	75
Maximum power voltage	Vmp	V	18.2	18.0	17.8	17.5
Maximum power current	Imp	A	4.95	4.73	4.49	4.29
Short circuit current	Isc	A	5.44	5.20	4.94	4.71
Open circuit voltage	Voc	V	22.46	22.21	21.97	21.6
Cell efficiency		%	16.85	15.90	15.00	14.1
Module efficiency		%	14.05	13.27	12.50	11.71

Working Conditions & Parameter

Maximum system Voltage (V)	1000 V
Power tolerance	0~3%
Cell dimension	125*125mm
Number of cells / Layout	36pcs. /9*4
NOCT cell	48 °C ± 2 °C
Temperature coefficient Isc (%)	+0.04±0.015 % / °C
Temperature coefficient Voc (%)	- (0.35±0.02) % / °C
Temperature coefficient Pm (%)	- (0.5±0.05) % / °C
Temperature coefficient Im (%)	+0.04% / °C
Temperature coefficient Vm (%)	-0.38% / °C
Operating temperatures	-40°C ~ +90 °C
Surface pressure	60m/s (200kg /m ²)

I-V Curve



Length	Width	Depth	Weight
1197mm	535mm	35mm	9.2Kg

Packaging

22 modules / 1 cardboard box
19 cardboard boxes / 1 pallet

Container loading capacities

Container 20" : 480 modules /
12 pallets
Container 40" : 1080 modules /
27 pallets

Front View And Back View

