

# MONOCRYSTALLINE SOLAR MODULE ZA1ZDNY200W



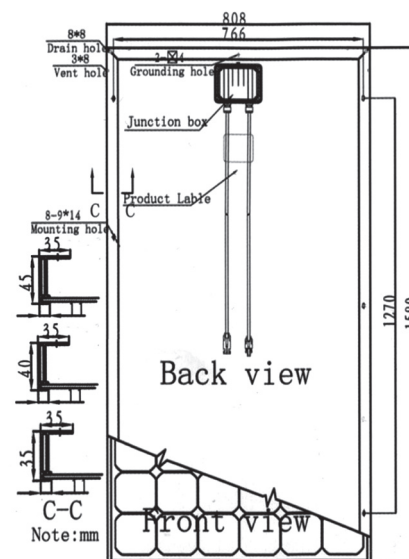
## Typical electrical characteristics

Characteristics	ZA1ZDNY- 200C	ZA1ZDNY-200CB*
Max. Power (PMax)		200W
Optimum Operating Voltage(Vm)		36.95V
Optimum Operating Current(I <sub>m</sub> )		5.42A
Open-circuit Voltage (Voc)		44.95V
Short-circuit Current (Isc)		5.65A
Cell Efficiency		17.94%

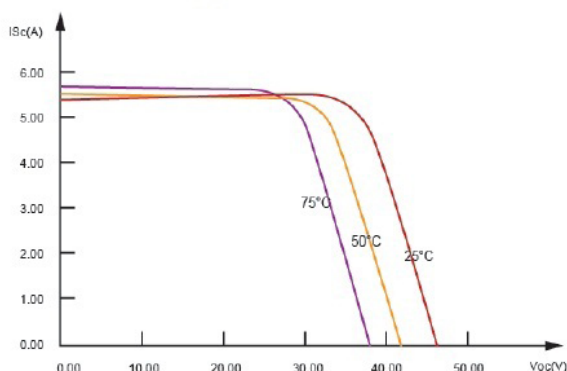
The specifications are obtained under the Standard Test Condition (STC):  
1000W/m<sup>2</sup> solar irradiance, AM1.5, Cell Temperature 25°C.

\*Black Frame.

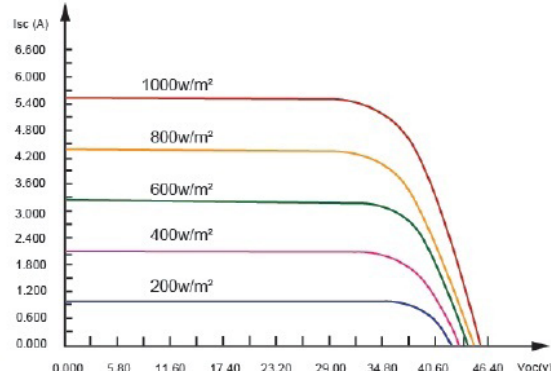
Solar Cell	Mono-crystalline 125 x 125mm
Output Tolerance (PMax)	0~+3%
Number of Cells	72 cells in series
Module Dimension	1580x808x45/40/35mm
Weight	15-15.5kg
Max. System Voltage	1000V(TUV)
Max. Series Fuse Rating	16A
Output Cable	PV 4mm <sup>2</sup>
Cable Length	90cm±5
Number of bypass diodes	3
Temperature Cycling Range	(-40~85°C)
NOCT	47°C±2°C
Temperature Coefficients of Isc	+(0.053±0.01)%/K
Temperature Coefficients of Voc	-(0.35±0.001)%/K
Temperature Coefficients of PMax	-(0.40±0.05)%/K



I-V Curves of PV module ZA1ZDNY-200C/CB at various cell temperatures



I-V Curves of PV module ZA1ZDNY-200C/CB at various solar irradiance



# MONOCRYSTALLINE SOLAR MODULE ZA1ZDNY300W



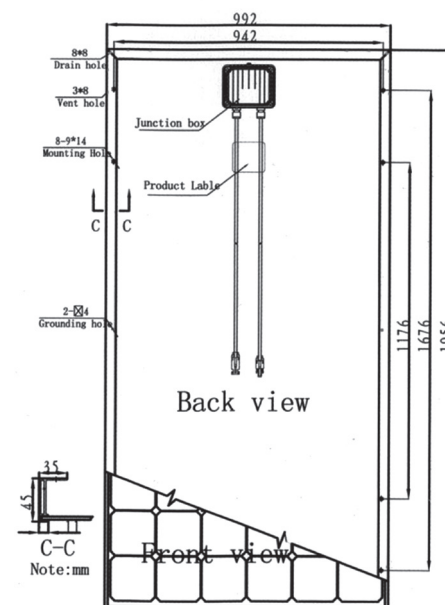
## Typical electrical characteristics

Characteristics	ZA1ZDNY- 300C72	ZA1ZDNY-300CB72*
Max. Power (PMax)		300W
Optimum Operating Voltage(Vm)		37.62V
Optimum Operating Current(I <sub>m</sub> )		7.98A
Open-circuit Voltage (Voc)		44.62V
Short-circuit Current (Isc)		8.56A
Cell Efficiency		17.44%

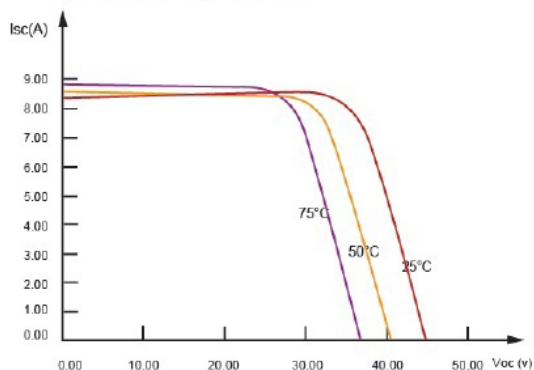
The specifications are obtained under the Standard Test Condition (STC):  
1000W/m<sup>2</sup> solar irradiance, AM1.5, Cell Temperature 25°C.

\*Black Frame.

Solar Cell	Mono-crystalline 156x156 mm
Output Tolerance (PMax)	0~+3%
Number of Cells	72 cells in series
Module Dimension	1956x992x45mm
Weight	23kg
Max. System Voltage	1000V(TUV)
Max. Series Fuse Rating	15A
Output Cable	PV 4mm <sup>2</sup>
Cable Length	90cm±5
Number of bypass diodes	3
Temperature Cycling Range	(-40~85°C)
NOCT	47°C ± 2°C
Temperature Coefficients of Isc	+(0.053±0.01)%/K
Temperature Coefficients of Voc	-(0.35±0.001)%/K
Temperature Coefficients of PMax	-(0.40±0.05)%/K



I-V Curves of PV module ZA1ZDNY-300C72/CB72 at various cell temperatures



I-V Curves of PV module ZA1ZDNY-300C72/CB72 at various solar irradiance

