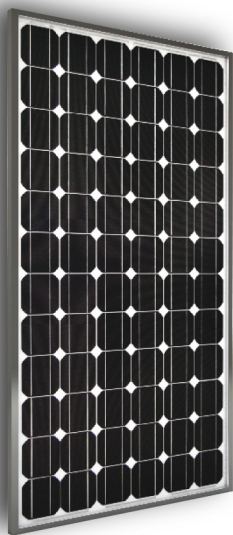


Monocrystalline solar module

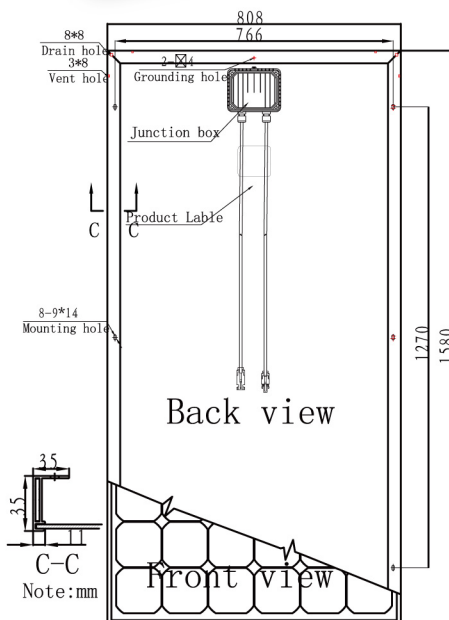
Typical electrical characteristics

Characteristics	ZDNY-180C	ZDNY-185C	ZDNY-190C	ZDNY-195C	ZDNY-200C	ZDNY-205C
Max.Power (Pmax)	180Wp	185Wp	190Wp	195Wp	200Wp	205Wp
Optimum Operating Voltage (Vm)	36.21V	36.65V	36.92V	36.94V	36.95V	36.97V
Optimum Operating Current (Im)	4.97A	5.05A	5.15A	5.28A	5.42A	5.55A
Open-circuit Voltage (Voc)	44.64V	44.80V	44.80V	44.88V	44.95V	45.03V
Short-circuit Current (Isc)	5.25A	5.33A	5.39A	5.50A	5.65A	5.73A
Cell Efficiency	16.1%	16.6%	17.0%	17.5%	17.9%	18.4%

Note: the specifications are obtained under the Standard Test Condition(STC): 1,000W/ m² soair irradiance,AM 1.5,Cell Temperature 25 °C.

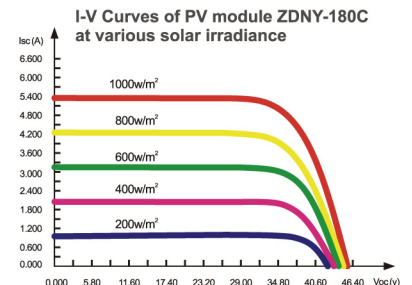
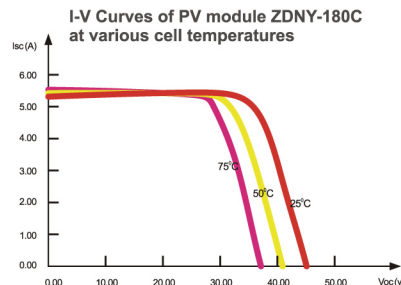


Solar Cell	Mono-crystalline 125x125mm
Output Tolerance (Pmax)	0~+3%
Number of cells	72 cells in series
Module Dimension	1580x808x35mm
Weight	15kg
Max. System Voltage	1000V(TUV)/600V(UL)
Max. Series Fuse Rating	16A
Temperature cycling range	(-40~85 °C)
NOTC	47 °C
Temperature coefficients of Isc	(+0.06%/ °C)
Temperature coefficients of Voc	(-0.35%/ °C)
Temperature coefficients of Pmax	(-0.4%/ °C)
Load Capacity	408pcs/20'GP 908pcs/40'HQ



Warranty

- 10-year product warranty.
- 12-year warranty at 90% power output.
- 25-year warranty at 80% power output.
- Product enforced by CHUBB Insurance



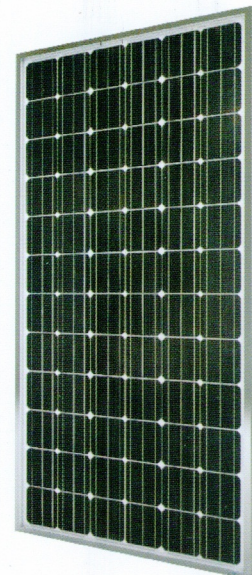
Monocrystalline solar module

Typical electrical characteristics

Characteristics	ZDNY-280C72	ZDNY-290C72	ZDNY-300C72
Max.Power (Pmax)	280Wp	290Wp	300Wp
Optimum Operating Voltage (Vm)	35.95V	36.65V	37.62V
Optimum Operating Current (Im)	7.79A	7.92A	7.98A
Open-circuit Voltage (Voc)	44.31V	44.49V	44.62V
Short-circuit Current (Isc)	8.26A	8.42A	8.56A
Cell Efficiency	16.3%	16.9%	17.4%

Note: the specifications are obtained under the Standard Test Condition(STC): 1,000W/ m² solar irradiance,AM 1.5,Cell Temperature 25 C.

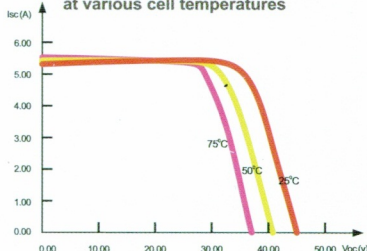
Solar Cell	Mono-crystalline 156x156mm
Output Tolerance (Pmax)	0~+3%
Number of cells	72 cells in series
Module Dimension	1956x992x45mm
Weight	26kg
Max. System Voltage	1000V(TUV)/600V(UL)
Max. Series Fuse Rating	15A
Temperature cycling range	(-40~85℃)
NOTC	47℃
Temperature coefficients of Isc	(+0.06%/℃)
Temperature coefficients of Voc	(-0.35%/℃)
Temperature coefficients of Pmax	(-0.4%/℃)
Load Capacity	240pcs/20'GP 528pcs/40'HQ



Warranty

- 10-year product warranty.
- 12-year warranty at 90% power output.
- 25-year warranty at 80% power output.
- Product enforced by CHUBB Insurance

I-V Curves of PV module ZDNY-280C72 at various cell temperatures



I-V Curves of PV module ZDNY-280C72 at various solar irradiance

