



WELL SOLAR

## WARRANTY

No less than 97% output power in the first year. **97%**

No more than 0.7% annual declination since the second year. **0.7%**

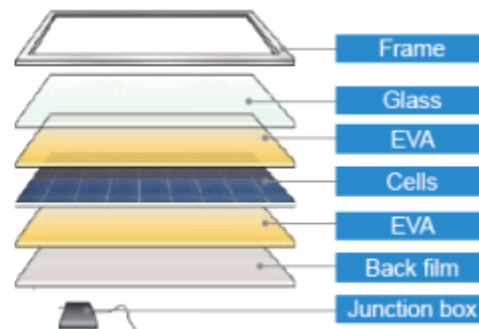
25-year warranty at 80.2% power output. **80.2%**

Product warranty enforced by CHUBB Insurance. **25YEAR**

Enhanced design for easy installation and long-term reliability.



Linear guarantee Figure



Component diagram

## MONOCRYSTALLINE SOLAR MODULE

WL72-290M-WL72-310M

### Typical Electrical Characteristics

Characteristics	WL72-290M	WL72-295M	WL72-300M	WL72-305M	WL72-310M
Max.Power(Pmax)	290Wp	295Wp	300Wp	305Wp	310Wp
Optimum Operating Voltage(Vm)	36.65V	37.15V	37.62V	37.62V	36.62V
Optimum Operating Current(I <sub>m</sub> )	7.92A	7.95A	7.98A	8.11A	8.25A
Open-circuit Voltage(V <sub>oc</sub> )	44.49V	44.57V	44.62V	44.85V	45.12V
Short-circuit Current(I <sub>sc</sub> )	8.42A	8.50A	8.56A	8.72A	8.82A
Cell Efficiency	16.9%	17.1%	17.4%	17.7%	18%

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

Solar Cell	Mono-crystalline 156*156mm
Output Tolerance(Pmax)	0 ~ +3%
Number of cells	72 cells in series
Module Dimension	1956*992*45mm
Weight	23kg
Max.System Voltage	1000V(TUV)/600V(UL)
Max.Series Fuse Rating	15A
Output Cable	PV 4mm2
Cable Length	90cm±5
Number of bypass diodes	6
Temperature cycling range	(-40 ~ 85℃ )
NOCT	47℃ ±2℃
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
Load Capacity	200pcs/20'GP/528pcs/40'HQ

