



WELL SOLAR

WARRANTY

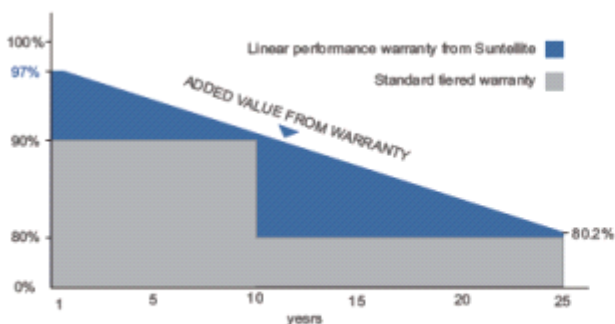
No less than 97% output power in the first year. **97%**

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

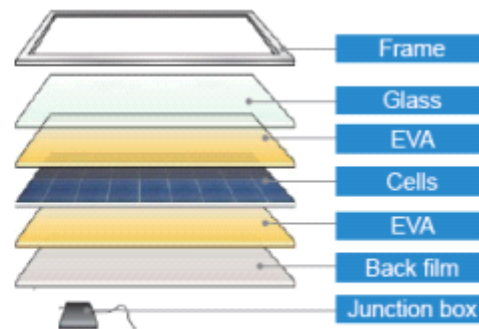
25-year warranty at 80.2% power output. **80.2%**

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

Enhanced design for easy installation and long-term reliability.



Linear guarantee Figure



Component diagram

POLYCRYSTALLINE SOLAR MODULE

WL60-230P-WL60-250P

Typical Electrical Characteristics

Characteristics	WL60-230P	WL60-235P	WL60-240P	WL60-245P	WL60-250P
Max.Power(Pmax)	230Wp	235Wp	240Wp	245Wp	250Wp
Optimum Operating Voltage(Vm)	29.28V	29.78V	30.20V	30.25V	30.76V
Optimum Operating Current(I _m)	7.87A	7.90A	7.96A	8.10A	8.13A
Open-circuit Voltage(V _{oc})	37.20V	37.45V	37.70V	37.73V	37.75V
Short-circuit Current(I _{sc})	8.29A	8.35A	8.38A	8.55A	8.55A
Cell Efficiency	15.8%	16.1%	16.4%	16.8%	17.1%

Note: the specifications are obtained under the Standard Test Condition(STC):1000 W/m² solar irradiance, AM1.5, Cell Temperature 25 °C .

Solar Cell	Poly-crystalline 156*156mm
Output Tolerance(Pmax)	0 ~ +3%
Number of cells	60cells in series
Module Dimension	1650*992*40mm
Weight	19.5kg
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	285 pcs/20'GP/756 pcs/40'HQ

