



Monocrystalline solar module

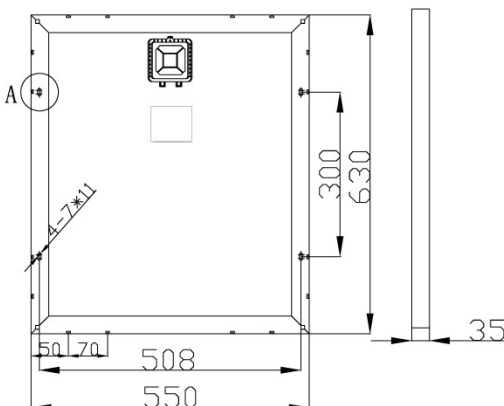
Typical electrical characteristics

Characteristics	ZDNY-50C
Max.Poierwer(Pmax)	50Wp
Optimum Operating Voltage(Vm)	17.5V
Optimum Operating Current(I _m)	2.86A
Open-circuit Voltage(V _{oc})	21.89V
Short-circuit Current(I _{sc})	3.09A
Cell Efficiency	18%

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	Monocrystalline 62.5*62.6/62.5*125mm
Output Tolerance(Pmax)	0~+3%
Number of cells	36/72 cells in series
Module Dimension	630×550×35mm
Weight	4.5kg
Max.System Voltage	1000V(TUV)/600V(UL)
Max.Series Fuse Rating	5A
Temperature cycling range	(-45~85C)
NOTC	47C
Temperature coefficients of I _{sc}	(+0.06%/C)
Temperature coefficients of V _{oc}	(-0.35%/C)
Temperature coefficients of Pmax	(-0.4%/C)



Warranty

- 10-year product warranty.
- 12-year warranty at 90% power output.
- 25-year warranty at 80% power output.