

POLYCRYSTALLINE SOLAR MODULE

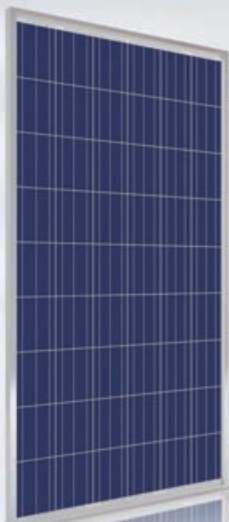
ZDNY215P54-230P54



Typical electrical characteristics

Characteristics	ZDNY-215P54	ZDNY-220P54	ZDNY-225P54	ZDNY-230P54
Max.Power(Pmax)	215Wp	220Wp	225Wp	230Wp
Optimum Operating Voltage(Vm)	26.80V	27.10V	27.71V	28.33V
Optimum Operating Current(I _m)	8.03A	8.12A	8.12A	8.12A
Open-circuit Voltage(V _{oc})	33.86V	34.06V	34.52V	35.06V
Short-circuit Current(I _{sc})	8.44A	8.48A	8.52A	8.52A
Cell Efficiency	16.4%	16.7%	17.1%	17.5%
Module Efficiency	14.62%	14.96%	15.30%	15.64%

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	54 cells in series
Module Dimension	1482*992*40mm
Weight	17.5kg
Max.System Voltage	1000V(TUV)/600V(UL)
Max.Series Fuse Rating	15A
Output Cable	PV 4mm ²
Cable Length	90cm±5
Number of bypass diodes	6
Temperature cycling range	(-40 ~ 85 °C)
NOCT	47 °C ±2 °C
Temperature coefficients of I_{sc}	+(0.053±0.01)%/K
Temperature coefficients of V_{oc}	-(0.35±0.001)%/K
Temperature coefficients of P_{max}	-(0.40±0.05)%/K
Load Capacity	315 pcs/20'GP
	810 pcs/40'HQ

