

MONOCRYSTALLINE SOLAR MODULE

ZDNY220C54-235C54



Typical electrical characteristics

Characteristics	ZDNY-220C54	ZDNY-225C54	ZDNY-230C54	ZDNY-235C54
Max. Power(Pmax)	220Wp	225Wp	230Wp	235Wp
Optimum Operating Voltage(Vm)	27.83V	28.02V	28.36V	28.49V
Optimum Operating Current(I _m)	7.91A	8.04A	8.12A	8.25A
Open-circuit Voltage(V _{oc})	33.36V	33.40V	33.45V	34.82V
Short-circuit Current(I _{sc})	8.42A	8.49A	8.56A	8.65A
Cell Efficiency	17.0%	17.4%	17.8%	18.2%
Module Efficiency	14.96%	15.30%	15.64%	15.98%

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



Solar Cell	Mono-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 4mm2
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

