

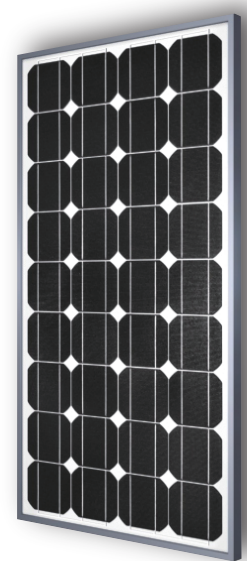
# Monocrystalline solar module

## Typical electrical characteristics

Characteristics	ZDNY-80C36	ZDNY-85C36	ZDNY-90C36
Max.Power (Pmax)	80Wp	85Wp	90Wp
Optimum Operating Voltage (Vm)	17.39V	17.71V	18.11V
Optimum Operating Current (Im)	4.61A	4.82A	4.97A
Open-circuit Voltage (Voc)	21.97V	22.11V	22.32V
Short-circuit Current (Isc)	4.98A	5.11A	5.25A
Cell Efficiency	15.0%	16.0%	16.8%

Note: the specifications are obtained under the Standard Test Condition(STC): 1,000W/ m<sup>2</sup> soarl irradiance,AM 1.5,Cell Temperature 25 C.

Solar Cell	Mono-crystalline 125x125mm
Output Tolerance (Pmax)	0~+3%
Number of cells	36 cells in series
Module Dimension	1200x550x35mm
Weight	8kg
Max. System Voltage	1000V(TUV)/600V(UL)
Max. Series Fuse Rating	8A
Temperature cycling range	(-40~85 C)
NOTC	47 C
Temperature coefficients of Isc	(+0.06%/C)
Temperature coefficients of Voc	(-0.35%/C)
Temperature coefficients of Pmax	(-0.4%/C)
Load Capacity	772pcs/20'GP
	1800pcs/40'HQ



**Warranty**  
 10-year product warranty.  
 12-year warranty at 90% power output.  
 25-year warranty at 80% power output.  
 Product enforced by CHUBB Insurance

