

# monocrystalline solar modules



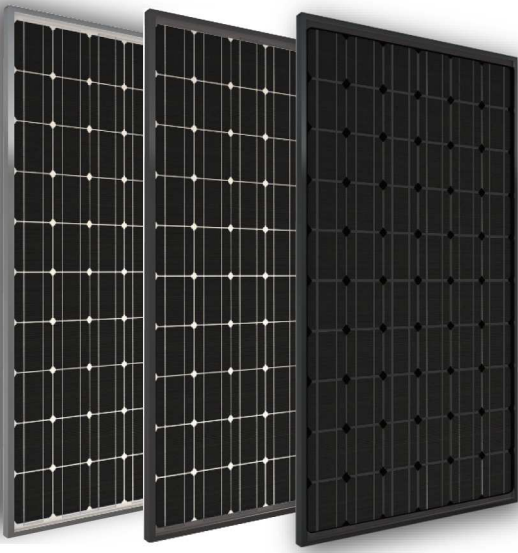
240W/245W/250W

Available with silver rim-white backsheet, black rim-white backsheet, black rim-black backsheet.

## Typical electrical characteristics

	ZDNY-240C60/CB60	ZDNY-245C60/CB60	ZDNY-250C60/CB60
Max.Power (Pmax)	240Wp	245Wp	250Wp
Optimum Operating Voltage (Vm)	30.34V	30.84V	31.17V
Optimum Operating Current (Im)	7.92A	7.95A	8.03A
Open-circuit Voltage (Voc)	37.76V	37.80V	37.85V
Short-circuit Current (Isc)	8.35A	8.38A	8.40A
Cell Efficiency	16.7%	17.1%	17.4%

Note: the specifications are obtained under the Standard Test Conditions (STC): 1000W/m<sup>2</sup> solar irradiance, AM 1.5, Cell Temperature 25°C.



Solar Cell	Mono-crystalline 156x156mm
Output Tolerance (Pmax)	0~+3%
Number of cells	60 cells in series
Module Dimension	1650x992x45mm
Weight	22.5kg
Max. System Voltage	1000V(TUV)/600V(UL)
Max. Series Fuse Rating	15A
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	276pcs/20'GP
	644pcs/40'HQ

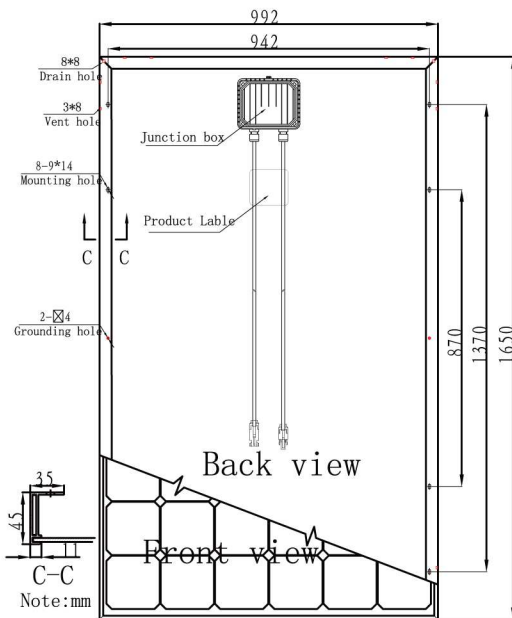
## warranty

10 year product warranty

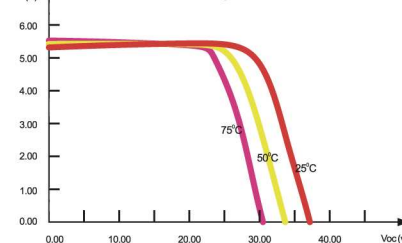
12 years at 90% power output

25 years at 80% power output

Warranty backed by CHUBB Insurance



I-V Curves of PV module ZDNY-240C60 at various cell temperatures



I-V Curves of PV module ZDNY-240C60 at various solar irradiance

