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Solar Panel Guide

Specification Data Sheet

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Single Glass and Monocrystalline Series

Monocrystalline YS290SM-YS310SM-60

- Passed mechanical load testing 5400Pa

-Features-



High output efficiency



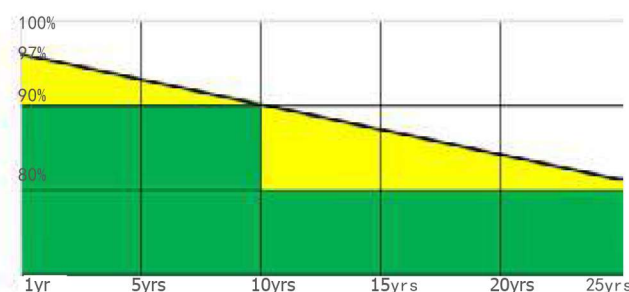
Superior weak light effect



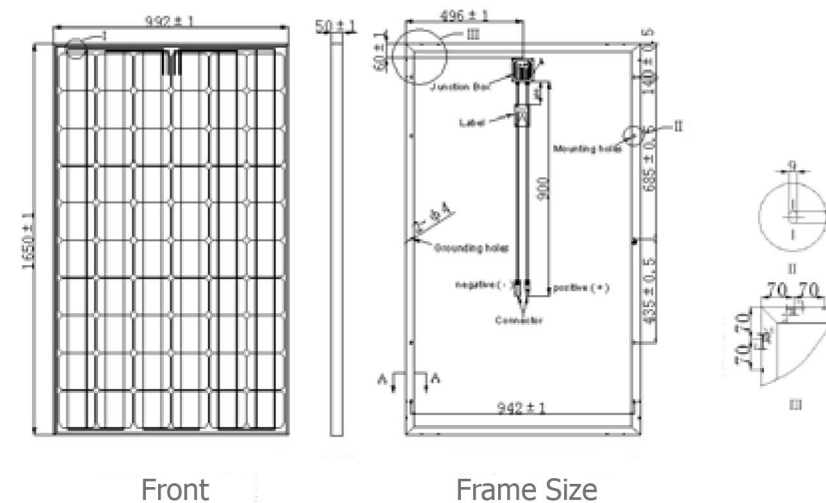
High-efficient 5BB cell

GREEN ENERGY PRODUCTS

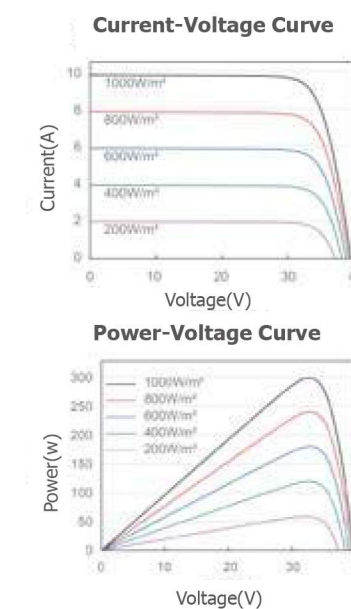
- 10 years product warranty
- 25 years linear warranty as tabled below



Engineering Drawing



Linear Characteristic



SPECIFICATION

Module	YS290SM-60	YS295SM-60	YS300SM-60	YS305SM-60	YS310SM-60
Maximum Power (Pmax W)	290	295	300	305	310
Open-circuit Voltage (Voc V)	39.46	39.64	39.85	40.05	40.3
Maximum Power Voltage (Vmp V)	31.8	32.03	32.26	32.57	32.84
Short-circuit Current (ISC A)	9.57	9.66	9.75	9.85	9.91
Maximum Power Current (Imp A)	9.12	9.21	9.3	9.37	9.44
Module Efficiency STC (%)	17.7	18	18.3	18.7	19
Power Tolerance	0~+5W				
Temperature coefficients of Isc (A-Isc)	+0.060%/°C				
Temperature coefficients of Voc (B-Voc)	-0.0300%/°C				
Temperature coefficients of Pmax (C-Pmp)	-0.380%/°C				
Standard Testing Condition (STC)	Irradiance 1000W/ m² , Cell Temperature 25°C±2 , AM1.5G				

Remark: The technical specification belongs to monocrystalline 60-cell module only.

SPECIFICATION

Module Type	Monocrystalline
Dimension	1650*992*35 (mm)
Weight	18.2 (kg)
No. of Cells	60 (pcs)
Packing	30 sets/ctn

APPLICATION

Maximum System Voltage	1000V/1500V DC(IEC)
Operating Temperature	-40°C~+ 85°C
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature (NOCT)	45±2°C
Application Class	Class A