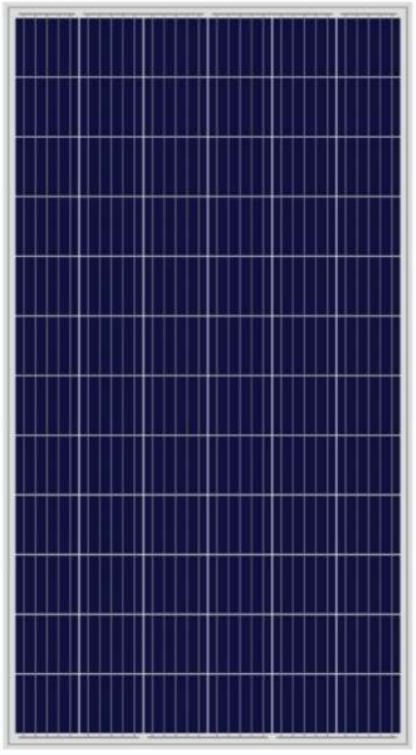
Kingdom Solar

Let The Sun Change Your Life

POLYCRYSTALLINE MODULE 320-340 Watt



KEY FEATURES

Module efficiency up to 17.51%
Higher power brings lower kilowatt-hour cost, higher lifetime generating capacity, simultaneously lower annual power attenuation;

PID Resistant
Excellent PID resistance at 96 hours (85°C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment;

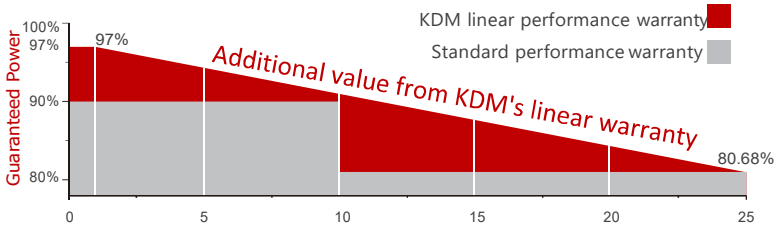
Low-Light Performance
Excellent power generation performance under Low-Light condition due to 5 busbar;

Anti-Crack
Excellent anti-microcracking performance with more balanced interior stress;

Strength and Durability
Certified for 5400Pa snow and 2400Pa loads test;

Linear Performance Warranty

12 Year Product Warranty - 25 Year Linear Power Warranty



System Certification

ISO 9001:2008
ISO 14001:2004
ISO 18001:2007

KDM SOLAR Introduction

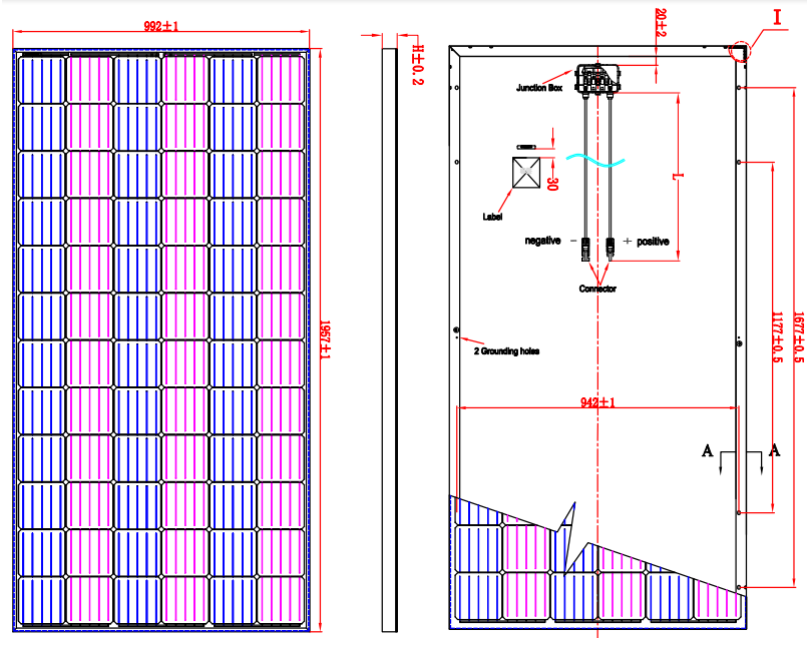
Kingdom Solar is the world's leading green energy provider, committed to making clean energy illuminate every corner of the world. We strive to provide high-efficiency, high-quality and low-cost clean energy solutions. Kingdom solar insists on continuous innovation around customer needs. We invest heavily in technology research, and promotes green energy in the world.



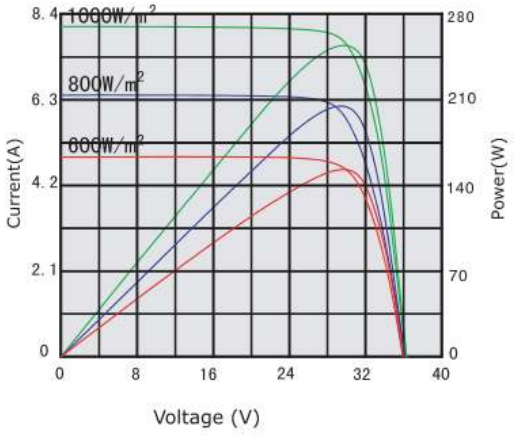
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Engineering Drawings



I-V CURVE



Electrical Specifications (STC)

Model	KD-P320	KD-P330	KD-P340
Maximum Power (Pmax)	320	330	340
Power Tolerance (W)	0~+5	0~+5	0~+5
Open Circuit Voltage (Voc)	45.60	46.10	46.50
MPP Voltage (Vmp)	37.00	37.70	38.2
Short Circuit Current（Isc）	9.16	9.30	9.45
MPP Current（Imp）	8.65	8.76	8.90
Module Efficiency (%)	16.48	17.00	17.51

Mechanical Specifications

Model	Data
Cell Type	5BB P o l y 156.75×156.75mm
No. of Cells	72(6×12)
Dimensions	1957×992×40mm
Weight	22.5kg
Glass	3.2mm, Low Iron Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67/IP68, 3 diodes
Output Cables	4mm², Length 1000mm
Connector type	MC4 compatible

Temperature Specifications

Item	Data
NOCT	45°C ±2°C
Temprature Coefficient (Pmax)	-0.408%
Temprature Coefficient (Voc)	-0.27%
Temprature Coefficient (Isc)	+0.045%

Operating Condition	Data
Maximum System Voltage	1000V/1500 VDC(TÜV)
Operating Temperature	-40°C~+85°C
Maximum series fuse rating	15A

Packaging Specifications

Packing unit	27PCS(40mm)
Modules per 40'HQ container	671pcs.(40mm)

Remark

Tolerance	±3%(Vmp,Imp,Voc,Isc)
STC	Irradiance 1000W/㎡, Cell Temperature25°C, AM1.5