

# DOU 60M

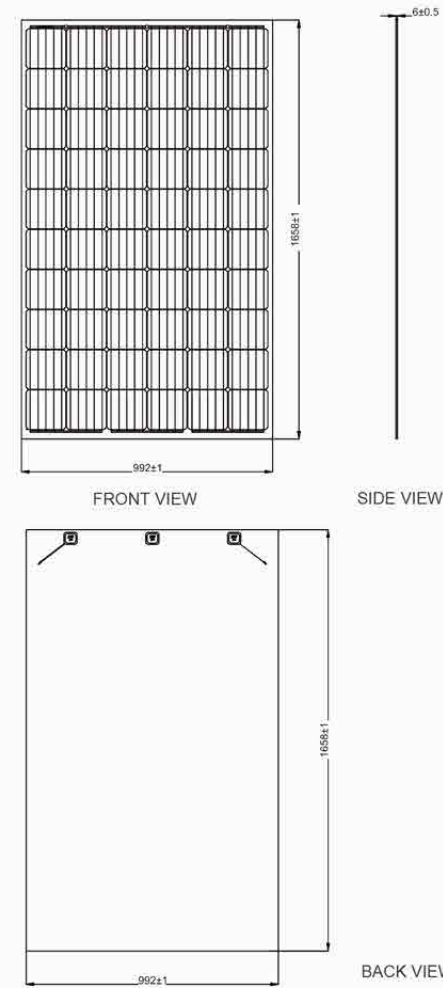
280W/285W/290W/  
295W/300W/305W

POLY CRYSTALLINE MODULE

IEC61215 / IEC61730 / IEC62804



## MECHANICAL DRAWINGS



## MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 156.75x156.75mm
Number Of Cells	60 (6x10)
Dimensions(AxBxC)	1658x992x6.0mm
Weights	23.5kg
Front Glass/Back Glass	2.5mm/2.5mm
Frame	Without Frame
Junction Box	Split Junction Box(IP67,3 Bypass Diodes)
Connector	Mc4 Compatible
Output Cables	TUV 1x4.0mm <sup>2</sup> positive-285mm, negative-140mm or customized

## ELECTRICAL CHARACTERISTICS

Maximum Power At STC(Pmax)	280W	285W	290W	295W	300W	305W
Short Circuit Current(Isc)	9.35A	9.48A	9.58A	9.72A	9.78A	9.89A
Open Circuit Voltage(Voc)	38.2V	38.7V	39.2V	39.6V	39.8V	40.1V
Maximum Power Current(Imp)	8.72A	8.85A	8.95A	9.08A	9.17A	9.30A
Maximum Power Voltage(Vmpp)	32.1V	32.2V	32.4V	32.5V	32.7V	32.8V
Module Efficiency	17.02%	17.33%	17.63%	17.94%	18.24%	18.54%
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%

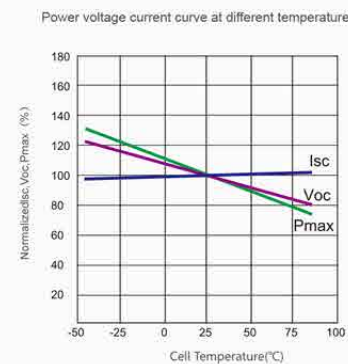
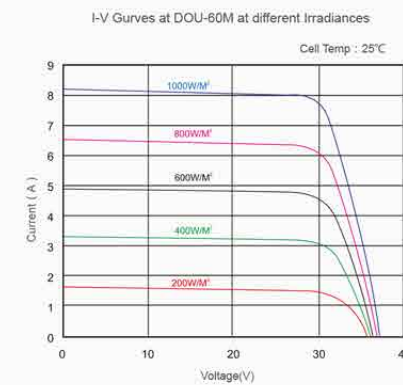
STC: 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM1.5.

## NOCT

Maximum Power At STC(Pmax)	196.3	200.0	203.7
Short Circuit Current(Isc)	7.24	7.33	7.43
Open Circuit Voltage(Voc)	34.2	34.4	35.1
Maximum Power Current(Imp)	6.80	6.89	6.99
Maximum Power Voltage(Vmpp)	28.9	29.0	29.2

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, wind speed 1m/s.

## I-V CURVES



## SYSTEM INTEGRATION PARAMETERS

Maximum System Voltage	VDC 1000V
Maximum Series Fuse	15A
Increased Snowload Acc.to IEC 61215	5400Pa
Operating Temperature	-40~+85°C
Number Of Bypass Diodes	3

## TEMPERATURE CHARACTERISTICS

Normal Operating Cell Temperature(Noct)	45°C±2°C
Temperature Coefficient Of Pmax	-0.41%/°C
Temperature Coefficient Of Voc	-0.33%/°C
Temperature Coefficient Of Isc	0.06%/°C

## PACKING CONFIGURATION

Container	20' GP	40' GP
Pieces Per Pallet	30	30
Pallets Per Container	14	28
Pieces Per Container	400	840



### Much longer power output life

30-year linear power warranty, annual power attenuation rate is only 0.5%



### Outstanding resistance to microcrack

Preventing snail track formation and strengthen the anti-cracking ability of modules



### No PID effect

Anti PID



### Higher fire rating

Fire rating reaches Class A, reducing the hidden peril of fire hazards



### 1500V system voltage

Up to 1500V DC system voltage reduces system cost



### Strong load capacity

The modules have passed wind loads (2400Pa) and snow loads (5400Pa);

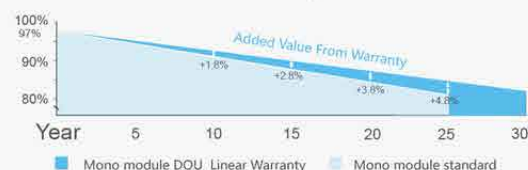


### The best solution for harsh environments

Suitable for coastal areas, deserts, and lakes

## LINEAR PERFORMANCE WARRANTY

- 10 Years Manufacturing Warranty
- 12 Years 91.5% Power Output
- 30 Years 83% Power Output



## QUALIFICATIONS AND CERTIFICATES

