

DH-60M/285-305

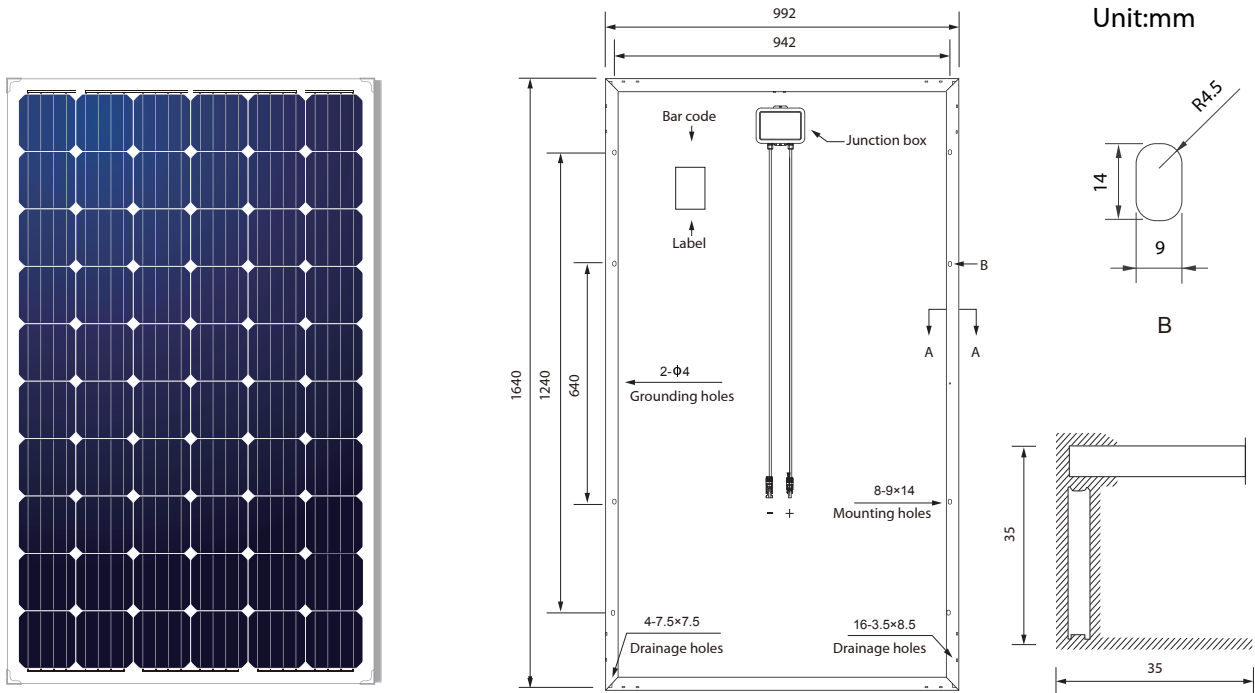
Monocrystalline Silicon Module

DEHUISOLAR
S H A R E V A L U E

Factory Add: Lot H2-1-5 and Lot H2-1-6, Dai Dong-Hoan Son Industrial Park, Bac Ninh Province, Vietnam

China Office: 28 Floor, Building 1, Hang Lung Plaza, Wuxi, Jiangsu

Germany office: Sebastian-Kneipp-Str.41 60439 Frankfurt



Key Features

The latest technology and automatic equipment

High power output and highest conversion efficiency of 18.70%

Withstand wind loads up to 2400Pa and snow loads up to 5400Pa

Outstanding performance in low-light irradiance environments

12-years
product warranty

30-years 80% linear
power output warranty

Positive power
tolerance of 0~+5W

100% EL
double inspection



Tel: +86 510 88559088

Fax: +86 510 88156008

Email: sales@dehui-solar.com

Web: www.dehui-solar.com

DEHUISOLAR
S H A R E V A L U E

MECHANICAL PARAMETERS

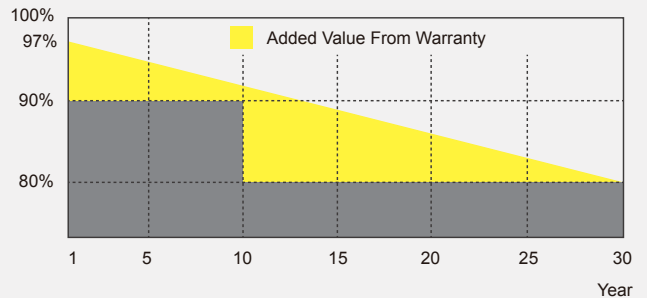
Number of Cells	60 (6x10)
Weight (kg)	18
Dimensions (LxWxH) (mm)	1640x992x35
Cable Cross Section Size (mm ²)	4
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	30 Per Pallet

WORKING CONDITIONS

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	15A
Maximum Static Load, Front (e.g., snow and wind)	5400 Pa (112lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400 Pa (50lb/ft ²)
NOCT	45±2°C
Application Class	Class A

SUPERIOR WARRANTY

- 12-year product warranty
- 30-year linear power output warranty



ELECTRICAL PARAMETERS

TYPE	DH-60M-285	DH-60M-290	DH-60M-295	DH-60M-300	DH-60M-305
Rated Maximum Power at STC (W)	285	290	295	300	305
Open Circuit Voltage (Voc/V)	38.60	38.80	39.90	40.10	40.20
Maximum Power Voltage (Vmp/V)	31.50	31.70	32.60	32.80	33.00
Short Circuit Current (Isc/A)	9.59	9.71	9.69	9.81	9.94
Maximum Power Current (Imp/A)	9.05	9.15	9.05	9.15	9.24
Module Efficiency (%)	17.40	17.70	18.00	18.30	18.70
Power Tolerance (W)	0~+5W				
Temperature Coefficient of Isc (αIsc)	+0.059%/°C				
Temperature Coefficient of Voc (βVoc)	-0.330%/°C				
Temperature Coefficient of Pmax (γPmp)	-0.410%/°C				

STC Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT

TYPE	DH-60M-285	DH-60M-290	DH-60M-295	DH-60M-300	DH-60M-305
Max Power (Pmax/W)	209.5	213.2	216.8	220.5	224.2
Open Circuit Voltage (Voc/V)	35.70	35.90	36.90	37.10	37.20
Max Power Voltage (Vmp/V)	28.90	29.10	29.90	30.10	30.30
Short Circuit Current (Isc/A)	7.73	7.82	7.81	7.91	8.01
Max Power Current (Imp/A)	7.24	7.32	7.24	7.32	7.39

Condition Under Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

I-V CURVE

