



DCH - HM6HBM1

MONOCRYSTALLINE PERC
HALF-CELL MODULE

DCH-HM6HBM1/60-370(R)

120 CELL

Mono PERC HC Module 9BB

370 Wp

Power Output Range

20.00%

Efficiency

0 /+5 W

Positive Power Tolerance

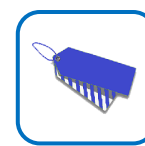
Key Features



High performance in low irradiance conditions



Innovative World-Class quality products and high reliability due to stringent quality control and following international standards



Price Competitiveness in all project ranges



12 years product warranty



Suitable for harsh environments, such as coasts, deserts and lakes



PID resistant and free of snails trails



Comprehensive Certificates

- IEC61215, IEC61730-1/2, IEC61701, IEC62716, IEC60068-2-68
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS18001: 2011 Occupational health and safety management systems

DCH Energy GmbH

DCH Energy since its establishment in Germany has achieved a recognizable position as photovoltaic technology and solution provider through a number of investments in Germany. Both the components and engineering used by DCH Energy are recognized worldwide. In the development of the projects, not only the construction management and operation are performed according to international standards. The DKB bank, the largest financing institute in Germany has also financially approved DCH Energy Products and technology for a number of projects. DCH Energy also owns solar assets in Europe, Asia and Africa. We have a global presence with more than 400 MWp of fully operational PV projects, including both ground mounted and rooftop solar projects. Our capabilities span the full PV supply chain, from ingot-wafer-cell-module production to turnkey installation and financing.

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ELECTRICAL DATA (STC)

| Model Number | DCH-HM6HBM1/60-370(R) |
|-------------------------------|-----------------------|
| Maximum Power (Pmax/W) | 370 Wp |
| Maximum Power voltage (Vmp/V) | 34.42 V |
| Maximum Power Current (Imp/A) | 10.75 A |
| Open Circuit Voltage (Voc/V) | 40.81 V |
| Short Circuit Current (Isc/A) | 11.54 A |
| Module Efficiency(%) | 20.31 % |

Data applies to Standard Test Conditions (STC): Irradiance 1000W/m² with an AM of 1.5 and a cell temperature of 25°C

ELECTRICAL DATA (NMOT)

| Model Number | DCH-HM6HBM1/60-370(R) |
|----------------------------|-----------------------|
| Nominal Power | 277.47 Wp |
| Voltage at max. power Vmpp | 32.08 V |
| Current at max. power Impp | 8.65 A |
| Open circuit voltage Voc | 38.68 V |
| Short circuit current Isc | 9.36 A |

NMOT: Irradiance 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

| | |
|---------------------------------|--|
| Cells Type | P TYPE /M6/ PERC/Bifacial/9BB/HALF Cell 166×83mm |
| Number Of Cells | 120(6×10×2)pcs |
| Dimensions (tolerance +/- 1 mm) | 1755 mm x 1038 mm x 35 mm |
| Weight | 20.5±1kg |
| Glass | AR coating tempered glass |
| Frame | Al 6063-T5/6005-T6 |
| Backsheet | Fluoride or Fluoride-free backsheet |
| Max. Wind load | Refer to installation Manual |
| Snow load | Refer to installation Manual |
| Junction Box | Protection Degree IP68 |
| Cable | 4.0 mm; Length as per customer requirement |

TEMPERATURE & MAXIMUM RATINGS

| | |
|---------------------------------|-------------|
| Nominal power tolerance | 0~+5% |
| Temperature Coefficient Of Pmax | -0.350 %/°C |
| Temperature Coefficient Of Voc | -0.271 %/°C |
| Temperature Coefficient Of Isc | 0.048 %/°C |
| Maximum System Voltage | 1500 VDC |
| Operating temperature range | -40 ~ +85°C |
| Maximum series fuse rating | 20 A |

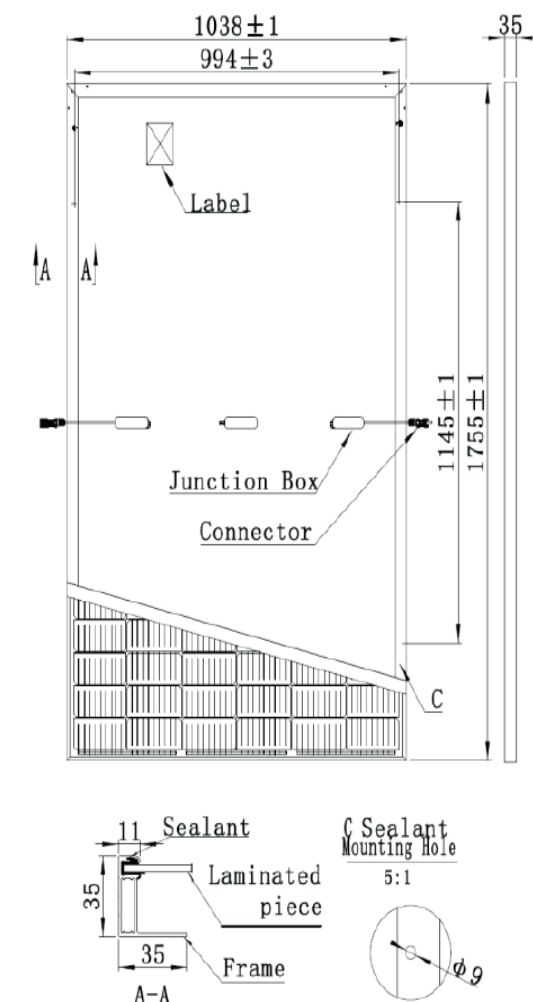
WARRANTY

12 years Product Warranty
25 years Performance Warranty

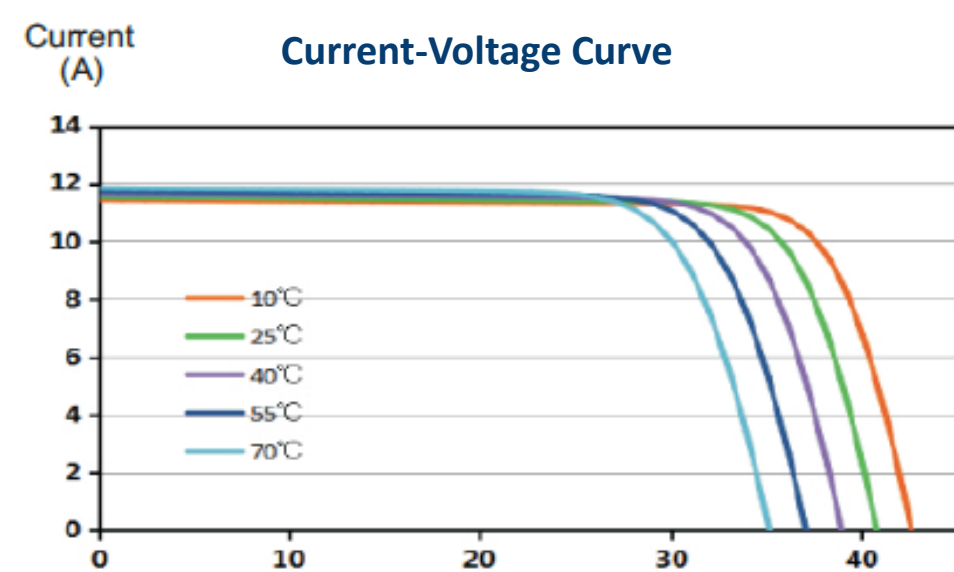
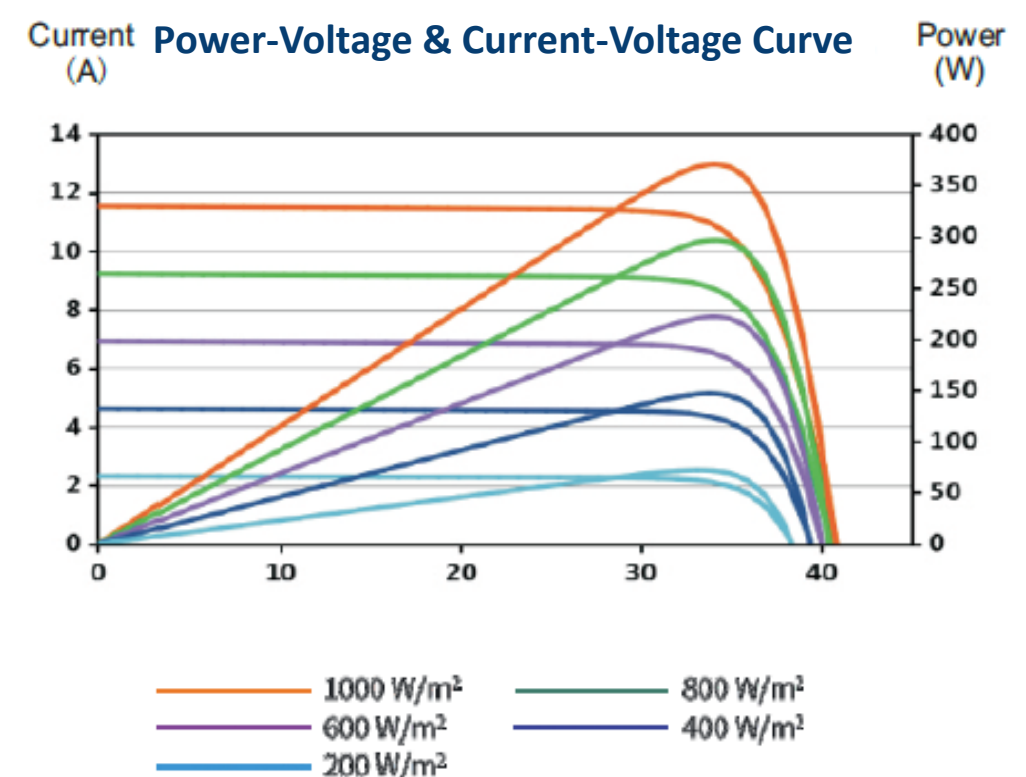
PACKAGING

31pcs/pallet 806pcs/ 40'HQ

DRAWINGS & DIMENSIONS



I-V CURVE CHARACTERISTICS



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Engineered in GERMANY