



Best Choice for  
Residential



# 485 / 490 / 495 / 500

## DM500M10-B66HBB



### Aesthetics

Ultimate look of black modules, perfectly matching the owner's aesthetic pursuit



### Quality

Over 40 years of manufacturing experience in house wafer, cell and module



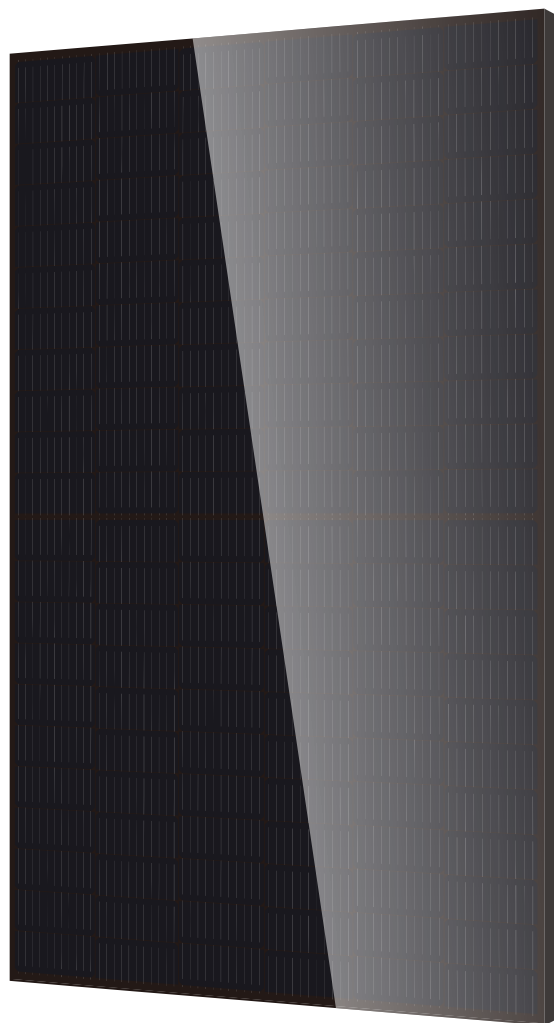
### Guarantee

Warranty comes from one of the most financial healthy PV providers

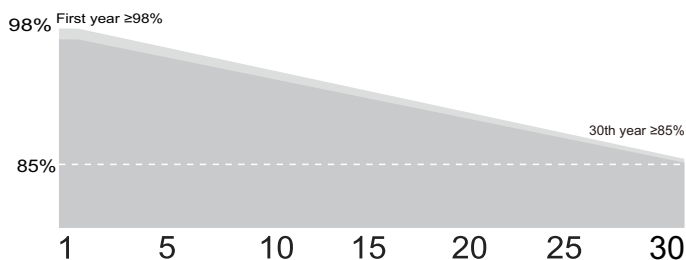


### Service

Customer-oriented and local services



### Warranty



**15** Years product warranty

**30** Years power output warranty

A Member of the Hengdian Group



Ver:20220615A0

## Electrical Specifications

| Module Type                                                                                                                         | DM485M10-B66HBB |       | DM490M10-B66HBB |       | DM495M10-B66HBB |       | DM500M10-B66HBB |       |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| Testing Condition                                                                                                                   | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  | STC             | NOCT  |
| Pm(W)                                                                                                                               | 485             | 390   | 490             | 394   | 495             | 398   | 500             | 402   |
| Imp(A)                                                                                                                              | 13.14           | 10.57 | 13.21           | 10.62 | 13.28           | 10.68 | 13.35           | 10.74 |
| Vmp(V)                                                                                                                              | 36.95           | 36.87 | 37.13           | 37.05 | 37.30           | 37.22 | 37.47           | 37.39 |
| Isc(A)                                                                                                                              | 13.54           | 10.78 | 13.61           | 10.83 | 13.68           | 10.89 | 13.75           | 10.95 |
| Voc(V)                                                                                                                              | 45.38           | 44.98 | 45.50           | 45.10 | 45.62           | 45.22 | 45.74           | 45.34 |
| Module Efficiency                                                                                                                   | 20.43%          |       | 20.64%          |       | 20.85%          |       | 21.06%          |       |
| Pm Tolerance 0/+3%    Bifaciality:70%±10%    STC:AM1.5 1000W/m² 25°C    NOCT:AM1.5 800W/m² 20°C 1m/s    Measurement uncertainty:±3% |                 |       |                 |       |                 |       |                 |       |

## Bifacial Gain

|     |         |      |      |      |      |
|-----|---------|------|------|------|------|
| 10% | Pm(STC) | 534W | 539W | 545W | 550W |
| 20% | Pm(STC) | 582W | 588W | 594W | 600W |
| 30% | Pm(STC) | 631W | 637W | 644W | 650W |

## Mechanical Data

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Cell Type                | P type Mono-crystalline                                  |
| Cell Arrangement         | 132(6x22)                                                |
| Module Dimensions        | 2094x1134x35mm                                           |
| Weight                   | 30.2kg                                                   |
| Module Structure         | Glass/Encapsulant/Glass                                  |
| Glass Thickness          | 2.0mm+2.0mm                                              |
| PV module classification | Class II                                                 |
| Junction Box Rating      | IP67/IP68                                                |
| Cables                   | 4mm <sup>2</sup> /1300mm or Customized Length            |
| Connector Type           | MC4/MC4 Compatible(1000V)<br>EVO2/EVO2 Compatible(1500V) |

## Packaging

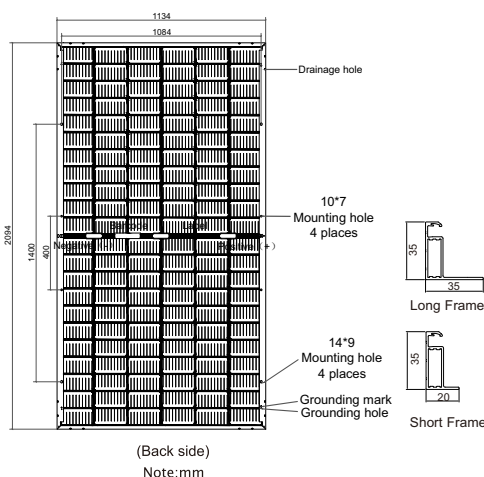
|                      |                  |
|----------------------|------------------|
| Pallet dimensions    | 2145×1140×1250mm |
| Container            | 40'HQ            |
| Pieces per Pallet    | 31               |
| Pieces per Container | 682              |

## Temperature Characteristics

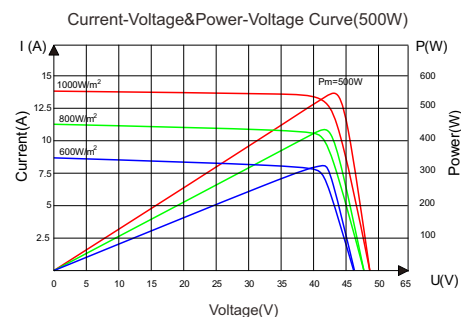
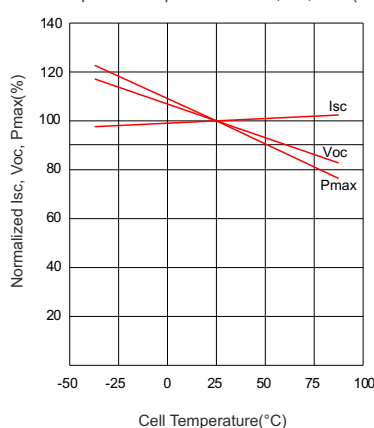
|                                          |             |
|------------------------------------------|-------------|
| Nominal Operating Cell Temperature(NOCT) | 42±3°C      |
| Temperature Coefficient of Isc           | +0.0448%/°C |
| Temperature Coefficient of Voc           | -0.246%/°C  |
| Temperature Coefficient of Pmax          | -0.330%/°C  |

## Maximum Ratings

|                        |                         |                            |         |
|------------------------|-------------------------|----------------------------|---------|
| Operating Temperature  | -40°C to+85°C           | Maximum Series Fuse Rating | 30A     |
| Maximum Load Capacity  | Snow 5400Pa/Wind 2400Pa | Number of Diodes           | 3       |
| Maximum System Voltage | 1000V/1500V DC(IEC)     | Fire Rating Class          | Class C |



Temperature Dependence of Isc,Voc,Pmax(°C)



**Statement:** Due to technological progress, product parameters will be adjusted accordingly; When signing the contract, the latest data of the company shall prevail.