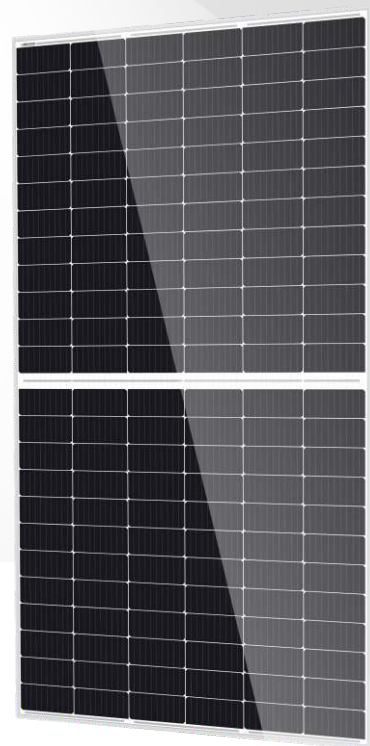




Quality. Performance. Value.

440 / 445 / 450 / 455 DM455M6-B72HSW



Technology

High module conversion efficiency through superior manufacturing technology



DMEGC cell inside

Over decade cell production experience
Qualified by most of module manufacturers
5G enhanced manufactory



PID Free

Excellent PID resistance according to IEC TS 62804-1



Performance

High performance under low light conditions (Cloudy days, mornings and evenings)



Quality

Manufactured according to International Quality, Health and Safety, Environmental Management Systems(ISO9001, ISO14001, ISO45001)



Value

Assured by the manufacturer who is the very most healthy PV provider



Social responsibility

SA8000 certified by TÜV Nord
Low carbon footprint traceable



Service

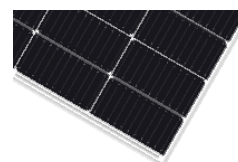
Local office support, immediate response

Superior Manufacturing-Quality Assurance



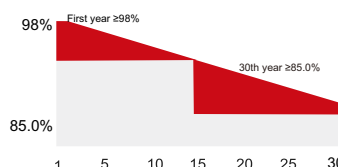
- TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% twice EL tests

Visible Quality



- Durable, high-quality
- Rigid construction: 5400Pa & 2400Pa rated assembly

Warranty



- 15 Years product warranty
- 30 Years power output warranty

A Member of the Hengdian Group

Ver:20220314A1

Electrical Specifications

* STC irradiance of 1000W/m² spectrum AM 1.5 and cell temperature of 25°C

Module Type	Pm(W)	Tolerance	Imp(A)	Vmp(V)	Isc(A)	Voc (V)	Efficiency
DM440M6-B72HSW	440	0/+3%	10.84	40.60	11.26	49.97	20.24%
DM445M6-B72HSW	445	0/+3%	10.92	40.77	11.35	50.12	20.47%
DM450M6-B72HSW	450	0/+3%	11.01	40.91	11.43	50.27	20.70%
DM455M6-B72HSW	455	0/+3%	11.10	41.04	11.51	50.42	20.93%

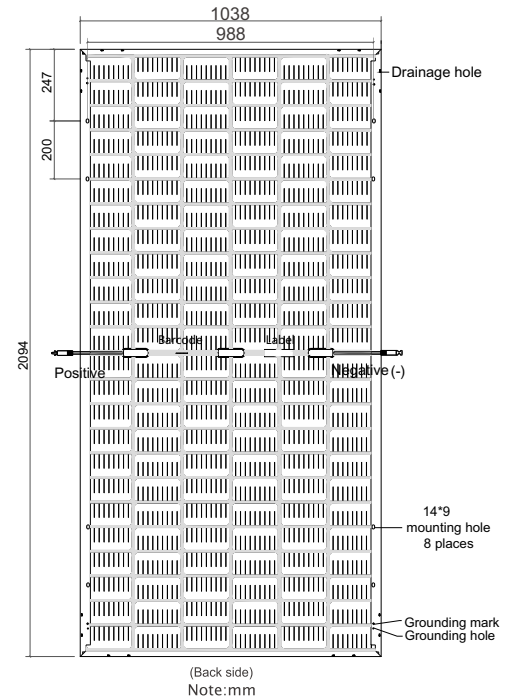
Bifaciality:70%±10%

Bifacial Gain

		440W	445W	450W	455W
10%	Pm(STC)	484W	489.5W	495W	500.5W
20%	Pm(STC)	528W	534W	540W	546W
30%	Pm(STC)	572W	578.5W	585W	591.5W

Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	144(6x24)
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
PV module classification	Class II
Junction Box Rating	IP68
Cables	4mm ² /1300mm or Customized Length
Connector Type	MC4/MC4 Compatible(1000V) EVO2/EVO2 Compatible(1500V)
Fire Rating Class	Class C



Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	25A
Number of Diodes	3

Packaging

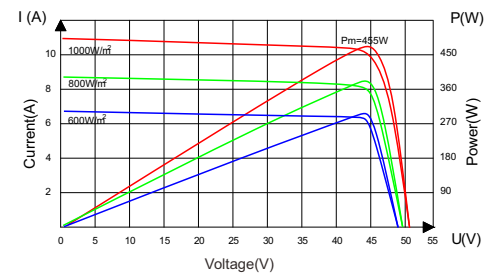
Module Dimensions	2094x1038x35mm
Weight	28.3kg
Container	40' HQ
Pieces per Pallet	31
Pieces per Container	682

Temperature Characteristics

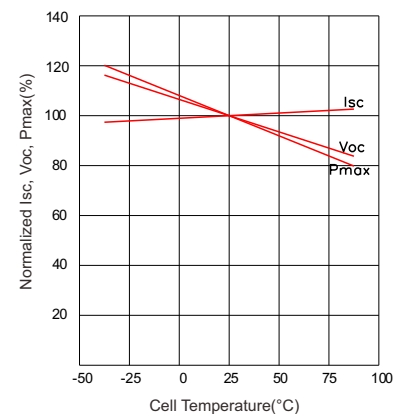
Temperature Coefficient of Isc	+0.0487%/°C
Temperature Coefficient of Voc	-0.256%/°C
Temperature Coefficient of Pmax	-0.328%/°C

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

Current-Voltage&Power-Voltage Curve(455W)



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



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