

Mono-crystalline Bifacial Solar Module (72Cells)

CEC6-72MDHV

440~460W
POWER OUTPUT RANGE

20.2%~21.2%
MODULE EFFICIENCY

PRODUCT CHARACTERISTICS

- ◆ Light weight, easy to install, high cost performance, high efficiency, Low LCOE
- ◆ Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)
- ◆ Guaranteed output: 0~+5W
- ◆ Excellent performance in weak light condition, such as cloudy, morning and sunset
- ◆ Independently certification by international certification authorities, include IEC61215, IEC61730, CE



LINEAR WARRANTY AND CERTIFICATION



1st year Power output not less than 98%



Warranty for product materials and processes within 12 years



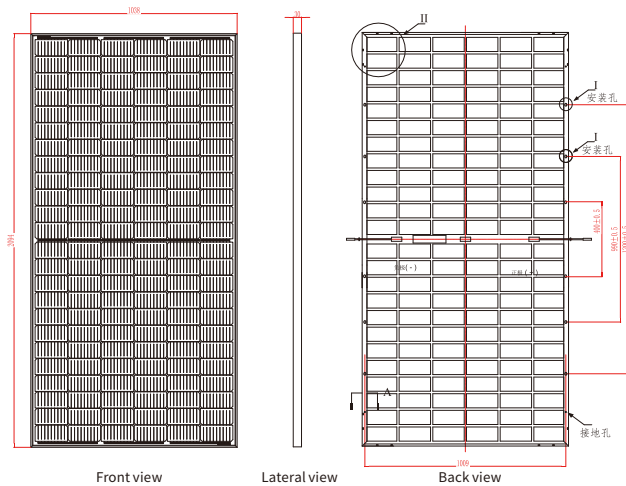
Power output not less than 93.05% within 12 years



Power output not less than 84.95% within 30 years

QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

Assembly Drawing



Mechanical Characteristics

Cell type	166*83mm monocrystalline silicon solar cells, a group of 144 cells (6*24)
Glass	2 mm thick low-iron tempered glass with high light transmittance
Junction Box	IP Grade: IP68

Temperature Rating

Nominal Module Operating Temperature (NMOT)	42°C ± 2°C
Maximum Power (Pmax) Temperature Coefficient (δ (%/°C))	-0.34
Open-circuit voltage (Voc) Temperature coefficient (β (%/°C))	-0.26
Short circuit current (Isc) Temperature coefficient (α (%/°C))	0.05

Parameters of Module

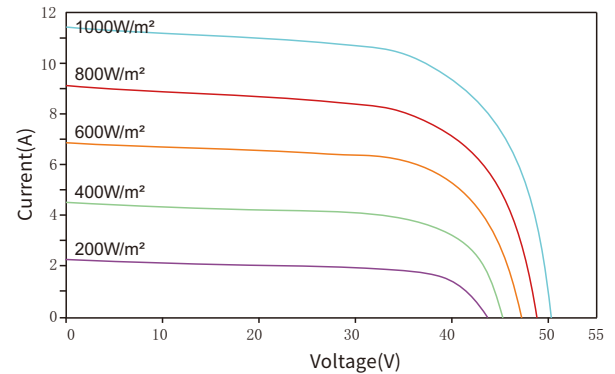
Electrical parameters (Standard test condition)	CEC6-72-440MDHV	CEC6-72-445MDHV	CEC6-72-450MDHV	CEC6-72-455MDHV	CEC6-72-460MDHV
Maximum power-Pmax(Wp)	440	445	450	455	460
Maximum operating voltage-Vmp(V)	41.64	41.84	42.04	42.24	42.44
Maximum operating current-Imp(A)	10.57	10.64	10.71	10.78	10.85
Open-circuit voltage -Voc(V)	50.01	50.21	50.41	50.61	50.81
Short-circuit current-Isc(A)	11.22	11.29	11.36	11.43	11.50
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500
Module efficiency(%)	20.2%	20.5%	20.7%	20.9%	21.2%
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

Measured values under STC (temperature 25°C, air quality AM1.5, irradiance 1000W/m²)

Different back-side power gain (for example 445W)

Power Gain	5%	10%	15%	20%	25%
Max Power(Wp)	467	490	512	534	556
Max-Power Voltage Vmp(V)	41.84	41.84	41.84	41.84	41.84
Max-Power Current Imp(A)	11.17	11.70	12.24	12.77	13.30
Open-Circuit Voltage Voc(V)	50.21	50.21	50.21	50.21	50.21
Short-Circuit Current Isc(A)	11.85	12.42	12.98	13.55	14.11
Module efficiency	21.5%	22.5%	23.5%	24.6%	25.6%

I-V Curve (450W)



Limit Parameters

Operating temperature	-40°C to +85°C
Maximum fuse current rating	20A

Physical Parameter

Dimension	2094*1038*30mm
Mounting hole size	400*1009,990*1009,1300*1009mm
Cable Length	+250mm,-150mm; Customizable
Weight	27Kg

Mode of Packing

40 Feet Container	Pieces per case	36 pcs/case
	Quantity per pallet	2 case/pallet
	Pieces per container	792pcs



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