

Mono-crystalline Bifacial Solar Module (60Cells)

CEC6-60E-MDV

580~600W
POWER OUTPUT RANGE

20.5%~21.2%
MODULE EFFICIENCY

PRODUCT CHARACTERISTICS

- ◆ Light weight, easy to install, high cost performance, high efficiency, Low LCOE, double sided power generation
- ◆ 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



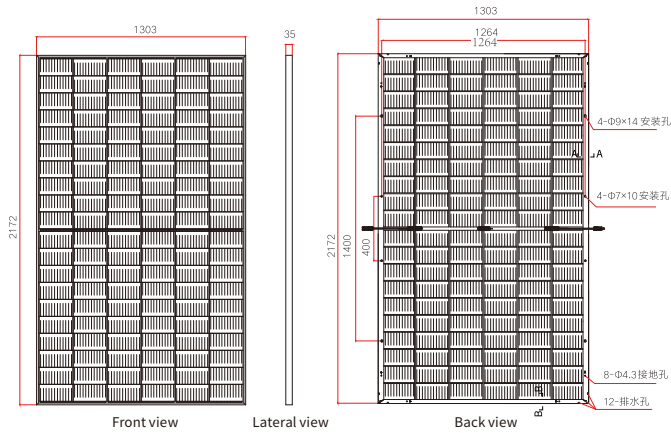
Power output not less than 93.05% within 12 years



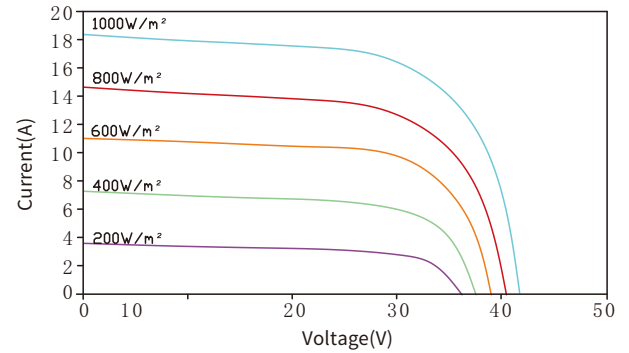
Power output not less than 84.95% within 30 years

QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

Assembly Drawing



I-V Curve (600W)



Mechanical Characteristics

Cell type	210*105mm monocrystalline silicon solar cells, a group of 120 cells (6*20)
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)	CEC6-60E-580MDV	CEC6-60E-585MDV	CEC6-60E-590MDV	CEC6-60E-595MDV	CEC6-60E-600MDV
Maximum power-Pmax(Wp)	580	585	590	595	600
Maximum operating voltage-Vmp(V)	33.8	34.0	34.2	34.4	34.6
Maximum operating current-Imp(A)	17.16	17.21	17.26	17.30	17.35
Open-circuit voltage -Voc(V)	40.9	41.1	41.3	41.5	41.7
Short-circuit current-Isc(A)	18.21	18.26	18.31	18.36	18.42
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500
Module efficiency(%)	20.5%	20.7%	20.8%	21.0%	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 10% irradiance)

	CEC6-60E-580MDV	CEC6-60E-585MDV	CEC6-60E-590MDV	CEC6-60E-595MDV	CEC6-60E-600MDV
Max Power(Wp)	621	626	631	637	642
Max-Power Voltage Vmp(V)	33.8	34.0	34.2	34.4	34.6
Max-Power Current Imp(A)	18.38	18.42	18.46	18.52	18.56
Open-Circuit Voltage Voc(V)	40.9	41.1	41.3	41.5	41.7
Short-Circuit Current Isc(A)	19.48	19.54	19.59	19.65	19.71
Irradiation Ratio-rear/front	10%				

Limit Parameters

Operating temperature	-40°C to +85°C
Maximum fuse current rating	35A

Physical Parameter

Dimension	2172*1303*35mm
Mounting hole size	400*1264,1400*1264mm
Cable Length	280mm; Customizable
Weight	35.3Kg

Mode of Packing

13.75m flatcar	Pieces per case	31 pcs/case
	Quantity per pallet	2 case/pallet
	Pieces per container	682pcs



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