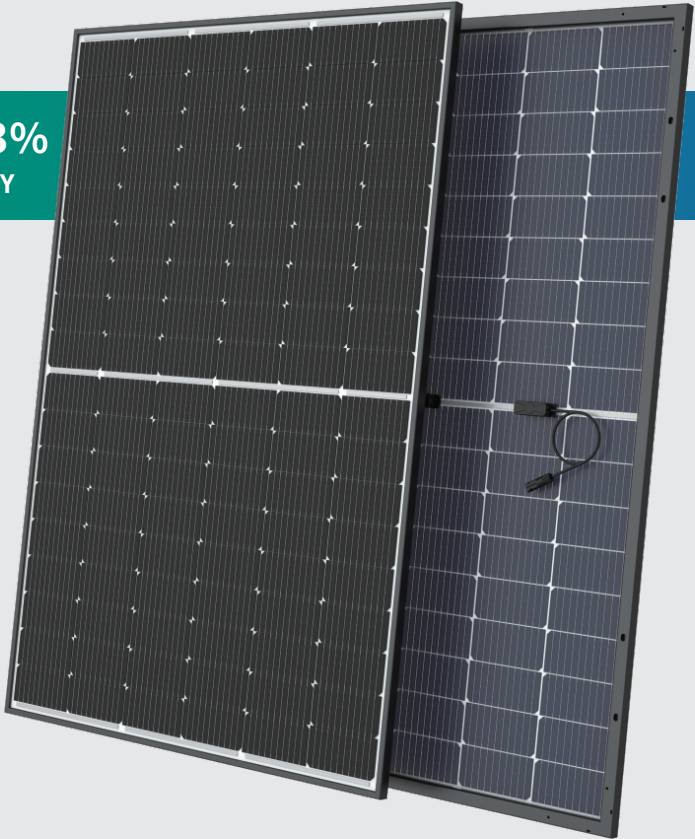


Mono-crystalline Bifacial Solar Module (54Cells) Black Frame Double Glass

CEC6-54MDHV

400~415W **20.5%~21.3%**
POWER OUTPUT RANGE **MODULE EFFICIENCY**



PRODUCT CHARACTERISTICS

- ◆ Light weight, easy to install, high cost performance, high efficiency
- ◆ 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

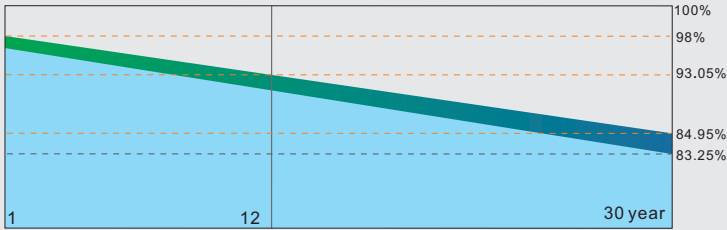


1st YEAR 1st year Power output not less than 98%

12 YEAR Warranty for product materials and processes within 12 years

12 YEAR Power output not less than 93.05% within 12 years

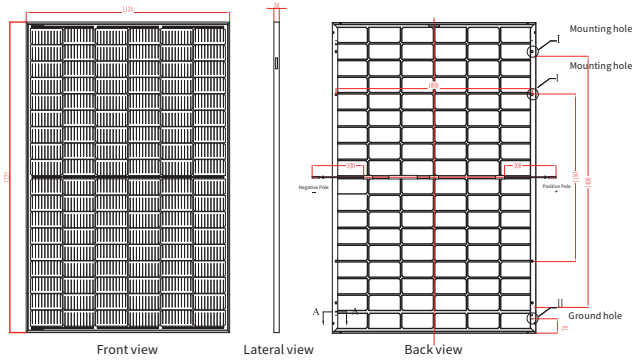
30 YEAR Power output not less than 84.95% within 25 years



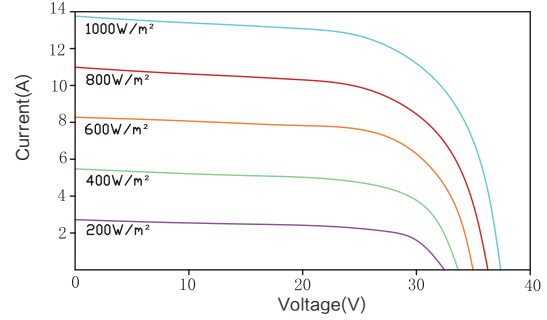
■ New linear power warranty
 ■ Standard module linear power warranty

QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

Assembly Drawing



I-V Curve (410W)



Limit Parameters

Operating temperature	-40°C to +85°C
Maximum fuse current rating	25A

Mechanical Characteristics

Cell type	182×91mm monocrystalline silicon solar cells, a group of 108 cells (6×18)
Glass	2.0 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

Physical Parameter

Dimension	1722*1134*30mm
Mounting hole size	1150*1088, 1400*1088mm
Cable Length	300mm; Customizable
Weight	23.5Kg

Parameters of Module

Electrical parameters (Standard test condition)	CEC6-54-400MDHV	CEC6-54-405MDHV	CEC6-54-410MDHV	CEC6-54-415MDHV
Maximum power-Pmax(Wp)	400	405	410	415
Maximum operating voltage-Vmp(V)	31.09	31.25	31.42	31.61
Maximum operating current-Imp(A)	12.86	12.96	13.05	13.13
Open-circuit voltage -Voc(V)	37.00	37.20	37.40	37.60
Short-circuit current-Isc(A)	13.65	13.76	13.84	13.94
Maximum system voltage-Vdc(V)	1500	1500	1500	1500
Module efficiency(%)	20.50%	20.70%	21.00%	21.30%
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5W

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

Different back-side power gain (for example 410W)

Power Gain	5%	10%	15%	20%
Max Power(Wp)	430	451	471	492
Max-Power Voltage Vmp(V)	31.42	31.42	31.42	31.42
Max-Power Current Imp(A)	13.69	14.35	14.99	15.66
Open-Circuit Voltage Voc(V)	37.40	37.40	37.40	37.40
Short-Circuit Current Isc(A)	14.53	15.24	15.92	16.63
Module efficiency	22.02%	23.10%	24.12%	25.20%



Make Power Generation More Green

No.9,Beishan Road,New District,Zhenjiang, jiangsu

Web: www.cecepsolar.com

