

# Mono-crystalline Solar Module (66Cells)-QingTian All Black

## CEC6-66MHV

**490~515W**

**POWER OUTPUT RANGE**

**20.6%~21.7%**

**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 certified by international certification authorities, including IEC61215, IEC61730, CE



### LINEAR WARRANTY AND CERTIFICATION

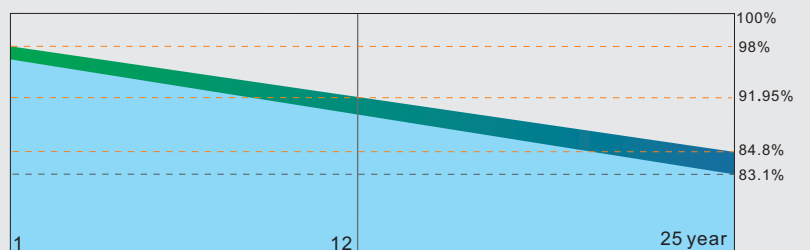


**1st YEAR** 1st year Power output not less than 98%

**12 YEAR** Warranty for product materials and processes within 12 years

**12 YEAR** Power output not less than 91.95% within 12 years

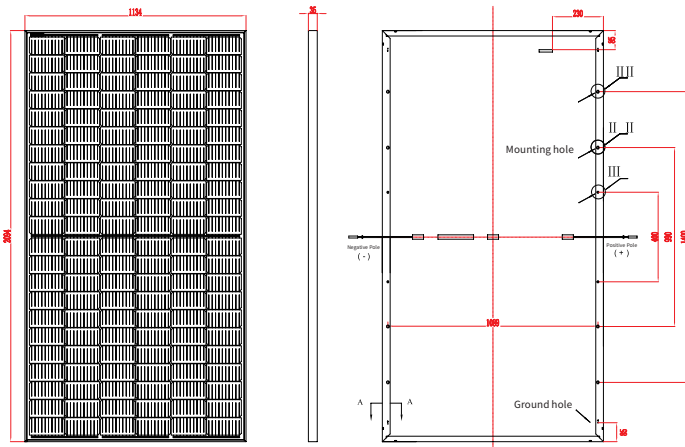
**25 YEAR** Power output not less than 84.8% within 25 years



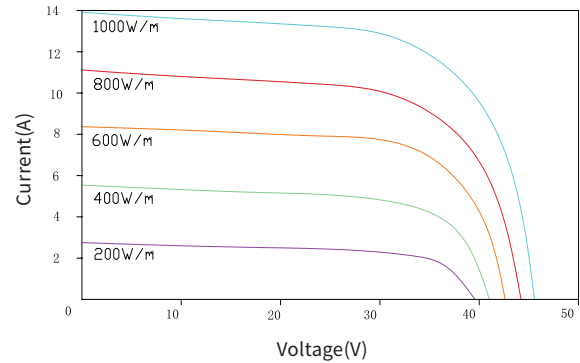
■ CECEP Solar linear power warranty  
■ Normal module linear power warranty

# QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

## Assembly Drawing



## I-V Curve (500W)



## Limit Parameters

Operating temperature	-40°C to +85°C
Maximum fuse current rating	20A/25A

## Physical Parameter

Dimension	2094*1134*35mm
Mounting hole size	400*1089,990*1089,1400*1089mm
Cable Length	250mm;Customizable
Weight	26Kg

## Mechanical Characteristics

Cell type	182×91mm monocrystalline silicon solar cells, 132 cells (6×22)
Glass	3.2 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 ( $\delta$ (%/°C))	-0.34
Open-circuit voltage (Voc) Temperature coefficient ( $\beta$ (%/°C))	-0.26
Short circuit current (Isc) Temperature coefficient ( $\alpha$ (%/°C))	0.05

## Mode of Packing

40'HQ Container	Pieces per pallet	31 pcs/pallet
	pallets per container	24 pallets/40'HQ
	Pieces per container	744pcs/40'HQ

## Parameters of Module

Electrical parameters (Standard test condition)	CEC6-66-490MHV	CEC6-66-495MHV	CEC6-66-500MHV	CEC6-66-505MHV	CEC6-66-510MHV	CEC6-66-515MHV
Maximum power-Pmax(Wp)	490	495	500	505	510	515
Maximum operating voltage -Vmp(V)	37.96	38.14	38.32	38.55	38.79	39.02
Maximum operating current -Imp(A)	12.91	12.98	13.05	13.1	13.15	13.20
Open-circuit voltage -Voc(V)	45.32	45.45	45.58	45.68	45.78	45.90
Short-circuit current -Isc(A)	13.78	13.85	13.92	13.97	14.02	14.07
Maximum system voltage -Vdc(V)	1000/1500	1000/1500	1000/1500	1000/1500	1000/1500	1000/1500
Module efficiency(%)	20.6%	20.9%	21.1%	21.3%	21.5%	21.7%
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

Measured values under STC (temperature 25°C, air quality AM1.5, irradiance 1000W/m<sup>2</sup>)



Make Power Generation More Green

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