

Poly-crystalline Modules (78Cells)

CEC6-78PH

440~460W
POWER OUTPUT RANGE

18.73%~18.58%
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 Power output not less than 98%



Warranty for product materials and processes within 12 years



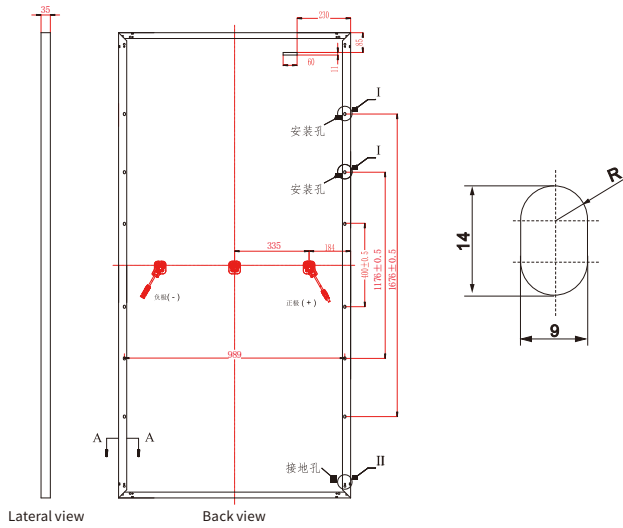
Power output not less than 89.8% within 12 years



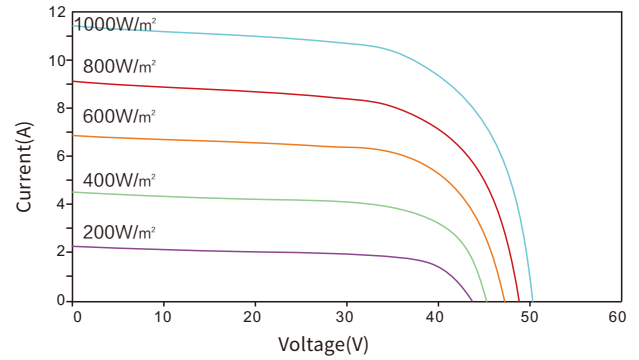
Power output not less than 80.7% within 25 years

QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

Assembly Drawing



I-V Curve (460W)



Limit Parameters

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

Physical Parameter

Dimension	2263*1038*35mm
Mounting hole size	1176*989,1676*989mm
Cable Length	+250mm,-150mm; Customizable
Weight	25Kg

Mechanical Characteristics

Cell type	166×83mm poly-crystalline silicon solar cells, a group of 156 cells (6×26)
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 (δ (%/°C))	-0.36
Open-circuit voltage (Voc) Temperature coefficient (β (%/°C))	-0.28
Short circuit current (Isc) Temperature coefficient (α (%/°C))	0.05

Mode of Packing

40 Feet Container	Pieces per case	31 pcs/case
	Quantity per pallet	2 case/pallet
	Pieces per container	620pcs

Electrical parameters (Standard test condition)	CEC6-78-440PH/ CEC6-78-440PHV	CEC6-78-445PH/ CEC6-78-445PHV	CEC6-78-450PH/ CEC6-78-450PHV	CEC6-78-455PH/ CEC6-78-455PHV	CEC6-78-460PH/ CEC6-78-460PHV
Maximum power-Pmax(Wp)	440	445	450	455	460
Maximum operating voltage -Vmp(V)	41.99	42.19	42.42	42.61	42.80
Maximum operating current -Imp(A)	10.48	10.55	10.61	10.68	10.75
Open-circuit voltage -Voc(V)	51.19	51.39	51.59	51.79	51.99
Short-circuit current-Isc(A)	11.18	11.23	11.28	11.33	11.38
Maximum system voltage -Vdc(V)	1000/1500	1000/1500	1000/1500	1000/1500	1000/1500
Module efficiency(%)	18.73%	18.94%	19.16%	19.37%	18.58%
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)



让发电更加绿色 / Make Power Generation More Green

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