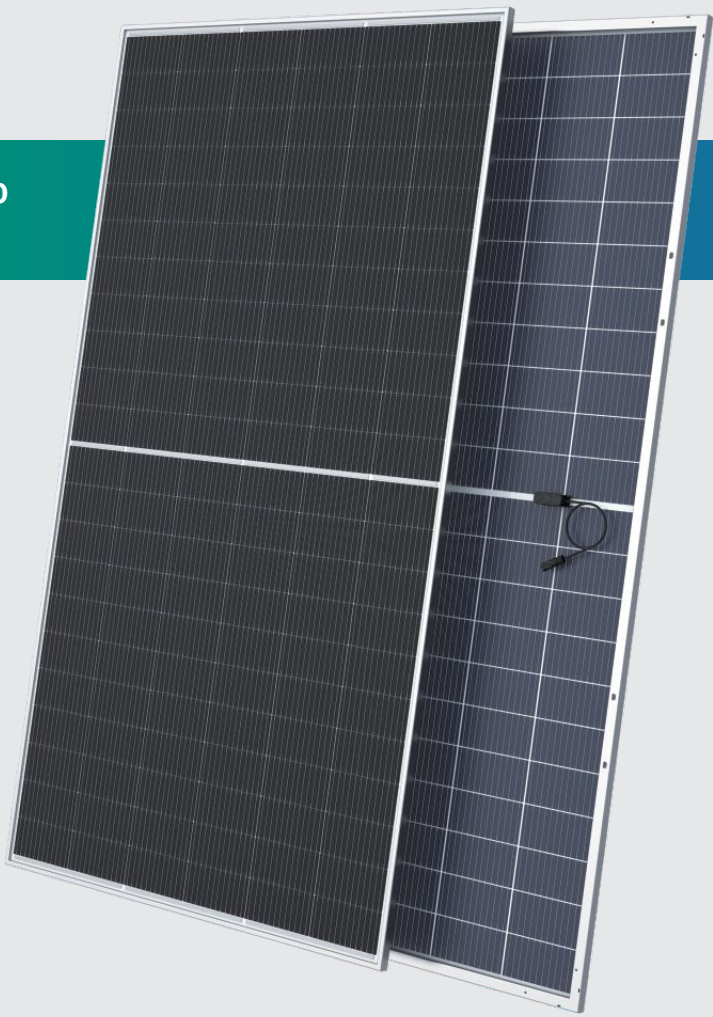


Mono-crystalline Bifacial Solar Module (66Cells)-YunChang

CEC6-66E-MDV

640~665W **20.6%~21.4%**
POWER OUTPUT RANGE **MODULE EFFICIENCY**



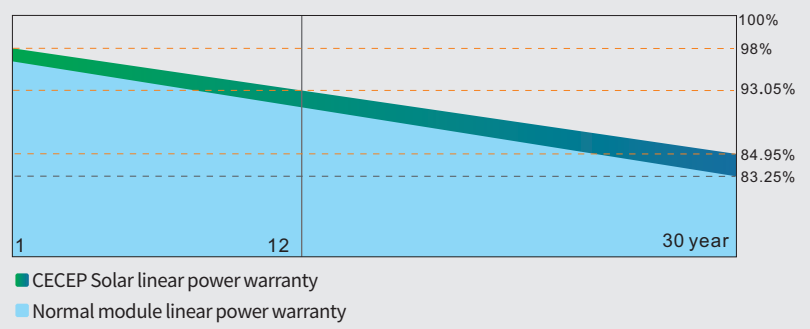
PRODUCT CHARACTERISTICS

- ◆ 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 certified by international certification authorities, including IEC61215, IEC61730, CE

LINEAR WARRANTY AND CERTIFICATION

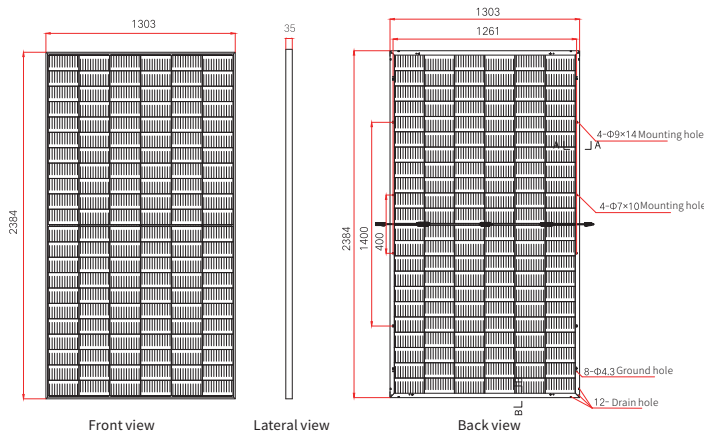


- 1st YEAR** 1st year Power output not less than 98%
- 12 YEAR** Warranty for product materials and processes within 12 years
- 12 YEAR** Power output not less than 93.05% within 12 years
- 30 YEAR** Power output not less than 84.95% within 30 years

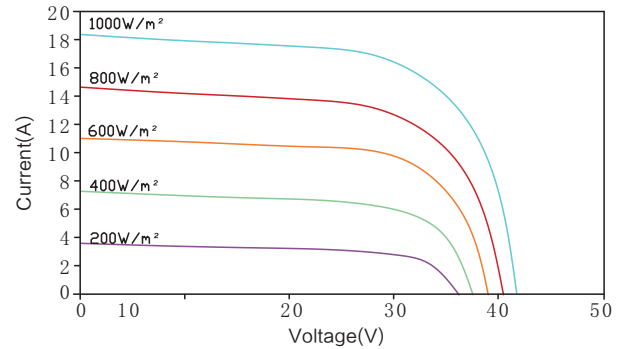


QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

Assembly Drawing



I-V Curve (660W)



Limit Parameters

Operating temperature	-40°C to +85°C
Maximum fuse current rating	30A

Mechanical Characteristics

Cell type	210×105mm monocrystalline silicon solar cells, 120 cells (6×20)
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	2384*1303*35mm
Mounting hole size	400*1264,1400*1264mm
Cable Length	280mm; Customizable
Weight	38.3Kg

Mode of Packing

40'HQ Container	Pieces per pallet	31 pcs/pallet
	pallets per container	20 pallets/40'HQ
	Pieces per container	620pcs/40'HQ

组件参数

Electrical parameters (Standard test condition)	CEC6-66E-640MDV	CEC6-66E-645MDV	CEC6-66E-650MDV	CEC6-66E-655MDV	CEC6-66E-660MDV	CEC6-66E-665MDV
Maximum power-Pmax(Wp)	640	645	650	655	660	665
Maximum operating voltage-Vmp(V)	37.3	37.5	37.7	37.9	38.1	38.3
Maximum operating current-Imp(A)	17.19	17.23	17.27	17.31	17.35	17.39
Open-circuit voltage -Voc(V)	45.1	45.3	45.5	45.7	45.9	46.1
Short-circuit current-Isc(A)	18.26	18.31	18.35	18.40	18.45	18.50
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500	1500
Module efficiency(%)	20.6%	20.8%	20.9%	21.1%	21.2%	21.4%
Power tolerance(W)	0/+5W	0/+5W	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 10% irradiance)

	685	690	696	701	706	712
Max Power(Wp)	685	690	696	701	706	712
Max-Power Voltage Vmp(V)	37.3	37.5	37.7	37.9	38.1	38.3
Max-Power Current Imp(A)	18.39	18.44	18.48	18.52	18.56	18.60
Open-Circuit Voltage Voc(V)	45.1	45.3	45.5	45.7	45.9	46.1
Short-Circuit Current Isc(A)	19.54	19.59	19.63	19.69	19.74	19.79
Exposure rate-rear/front	10%					



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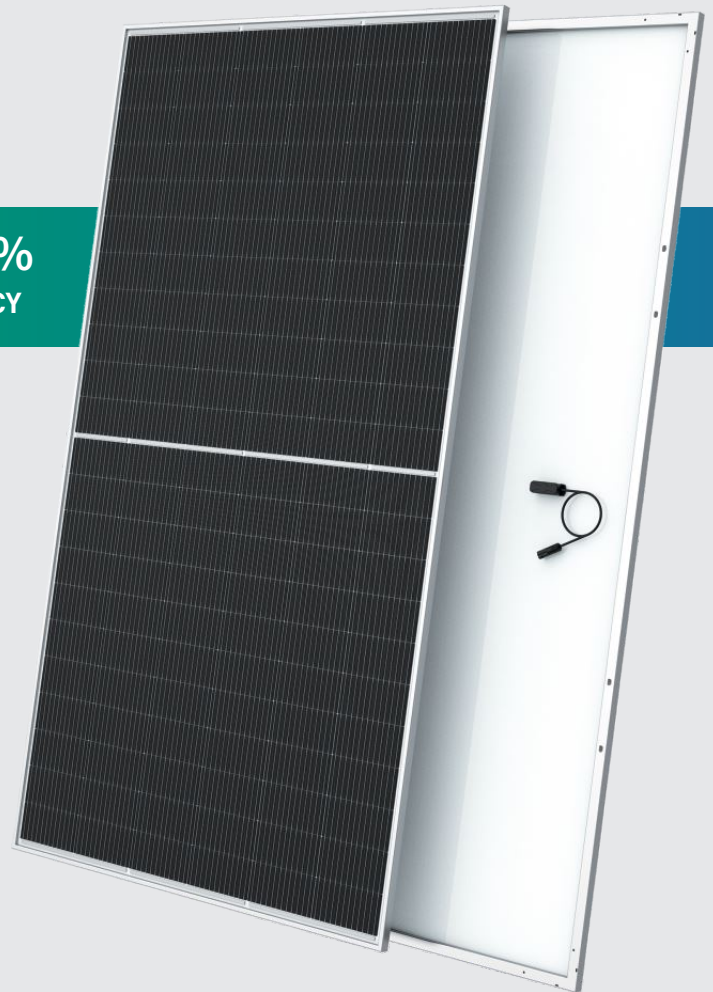
Web: www.cecepsolar.com



Mono-crystalline Solar Module (60Cells)-YunChang

CEC6-66E-MV

645~670W **20.8%~21.6%**
POWER OUTPUT RANGE **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 certified by international certification authorities, including IEC61215, IEC61730, CE

LINEAR WARRANTY AND CERTIFICATION

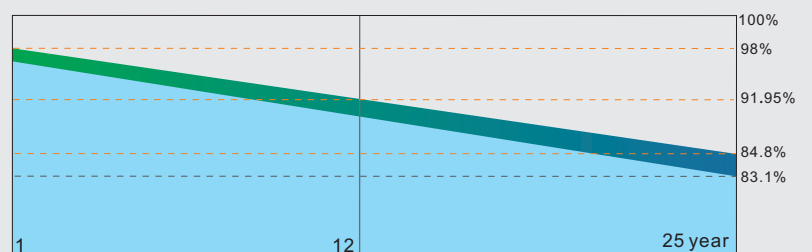


1st YEAR 1st year Power output not less than 98%

12 YEAR Warranty for product materials and processes within 12 years

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

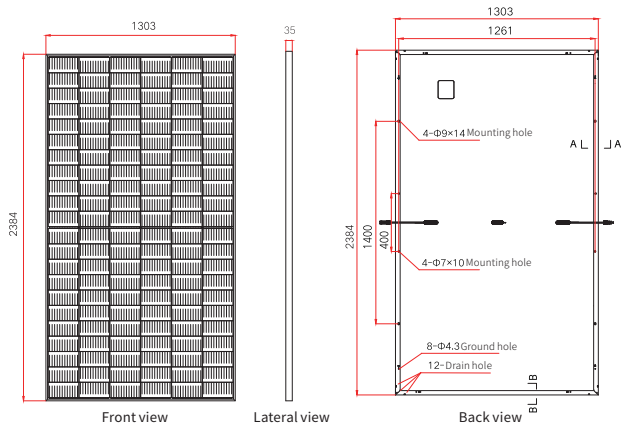
25 YEAR Power output not less than 84.8% within 25 years



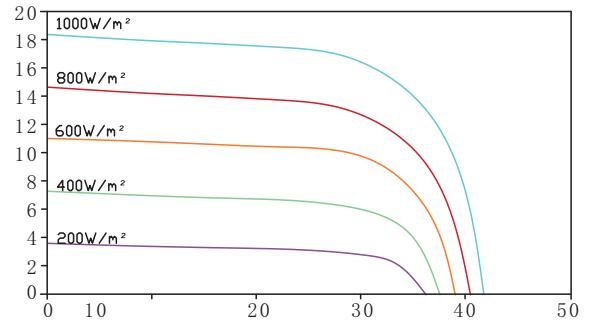
■ CECEP Solar linear power warranty
 ■ Normal module linear power warranty

QUALITY OF CENTRAL ENTERPRISE SERVICE GUARANTEE

Assembly Drawing



I-V Curve (660W)



Limit Parameters

Operating temperature	-40°C to +85°C
Maximum fuse current rating	30A

Physical Parameter

Dimension	2384*1303*35mm
Mounting hole size	400*1261,1400*1261mm
Cable Length	280mm; Customizable
Weight	33.6Kg

Mechanical Characteristics

Cell type	210×105mm 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 (δ (%/°C))	-0.34
Open-circuit voltage (Voc) Temperature coefficient (β (%/°C))	-0.26
Short circuit current (Isc) Temperature coefficient (α (%/°C))	0.05

Mode of Packing

40'HQ Container	Pieces per pallet	31 pcs/pallet
	pallets per container	20 pallets/40'HQ
	Pieces per container	620pcs/40'HQ

Parameters of Module

Electrical parameters (Standard test condition)	CEC6-66E-645MV	CEC6-66E-650MV	CEC6-66E-655MV	CEC6-66E-660MV	CEC6-66E-665MV	CEC6-66E-670MV
Maximum power-Pmax(Wp)	645	650	655	660	665	670
Maximum operating voltage-Vmp(V)	37.2	37.4	37.6	37.8	38.0	38.2
Maximum operating current-Imp(A)	17.35	17.39	17.43	17.47	17.51	17.55
Open-circuit voltage -Voc(V)	45.1	37.3	45.5	45.7	45.9	46.1
Short-circuit current-Isc(A)	18.39	18.44	18.48	18.53	18.57	18.62
Maximum system voltage-Vdc(V)	1500	1500	1500	1500	1500	1500
Module efficiency(%)	20.8%	20.9%	21.1%	21.2%	21.4%	21.6%
Power tolerance(W)	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W

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



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