

Mono Perc JC(430-460)-120M

Half-Cell High Efficiency PV Module

Max Module Efficiency-21.24%

KEY FEATURES

- Excellent module efficiency upto:21.24%
- IP68 junction box for long-term weather endurance
- Heavy snow load up to 5400 Pa, wind load up to 3600 Pa
- PID: Selected material and stringent quality system ensure PID free
- Applicable to harsh environment of deserts, farmlands and seashores
- Much lower risk of Hot spot

CERTIFICATE



COMPREHENSIVE

Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001: 2015/Quality management system

ISO 14001: 2015/Standards for environmental management system

OHSAS 18001: 2007/International standards for occupational health & safety

WARRANTY

30
years

Linear power output warranty

-12 years minimum 92% power output

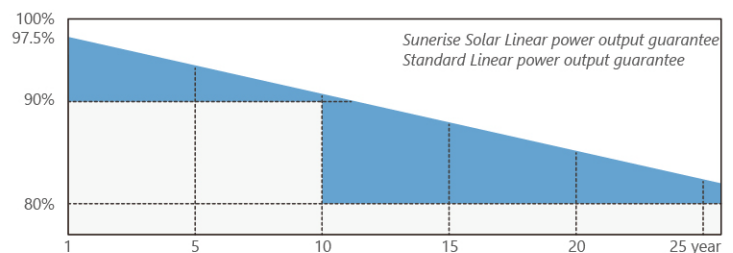
-30 years minimum 83% power output

12
years

Product warranty on materials and workmanship

According to the applicable Einnova Solarline

Limited Warranty Statement



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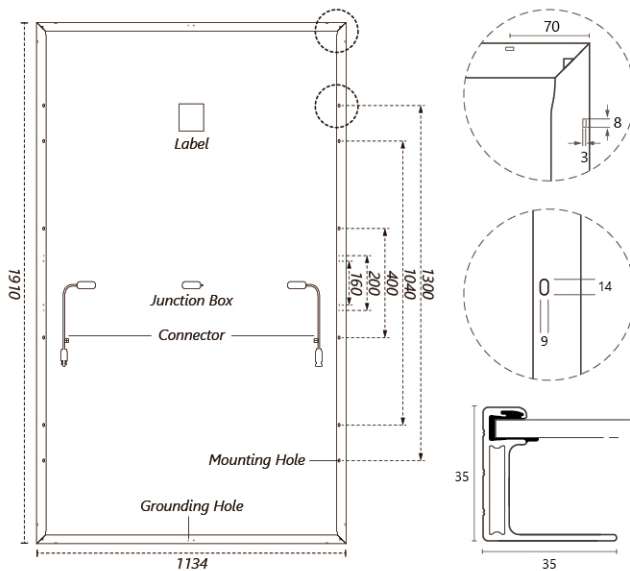
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JC(430-460)-120M

DESIGN



MECHANICAL SPECIFICATION

Cells Type	Dimension (L×W×T)	Weight
Mono 182×91mm	1910×1134×35mm	24kg
<i>Packing</i>	31pcs/pallet, 744pcs/40HQ	
<i>Cable</i>	4.0mm ² , Portrait: 350mm(+)/350mm(-) Landscape: 1400mm(+)/1400mm(-)	
<i>No. of Cells</i>	120 (6×20)	
<i>Glass</i>	3.2mm High Transmission, Antireflection Coating	
<i>Junction box</i>	IP68, 3 Bypass Diodes	
<i>Connector</i>	MC4 Compatible	

OPERATING PARAMETERS

<i>Maximum system voltage</i>	1000V/1500V DC
<i>Operating Temperature</i>	-40 ~ +85°C
<i>Maximum series fuse rating</i>	20A
<i>Snow load, frontside</i>	5400Pa
<i>Wind load, backside</i>	3600Pa
<i>Nominal operating cell temperature</i>	45°C±2°C
<i>Application level</i>	Class A

ELECTRICAL CHARACTERISTICS(STC)

MODULE TYPE	JC(430-460)-120M						
<i>Maximum Power (Pmax)</i>	430W	435W	440W	445W	450W	455W	460W
<i>Open-circuit Voltage (Voc)</i>	40.8V	41.0V	41.2V	41.4V	41.6V	41.8V	42.0V
<i>Maximum Power Voltage (Vmp)</i>	34.1V	34.3V	34.5V	34.8V	35.0V	35.2V	35.5V
<i>Short-circuit Current (Isc)</i>	13.42A	13.48A	13.54A	13.60A	13.66A	13.72A	13.78A
<i>Maximum Power Current (Imp)</i>	12.62A	12.68A	12.74A	12.80A	12.86A	12.91A	12.97A
<i>Module Efficiency (%)</i>	19.85%	20.08%	20.31%	20.55%	20.78%	21.01%	21.24%
<i>Power Tolerance</i>	0~+5W						
<i>Temperature Coefficient of Isc</i>	0.05%/°C						
<i>Temperature Coefficient of Voc</i>	-0.31%/°C						
<i>Temperature Coefficient of Pmax</i>	-0.35%/°C						

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

ELECTRICAL CHARACTERISTICS(NOCT)

MODULE TYPE	JC(430-460)-120M						
<i>Maximum Power (Pmax)</i>	320W	324W	327W	331W	335W	339W	342W
<i>Open-circuit Voltage (Voc)</i>	38.3V	38.5V	38.6V	38.8V	39.0V	39.2V	39.4V
<i>Maximum Power Voltage (Vmp)</i>	32.0V	32.2V	32.4V	32.6V	32.8V	33.0V	33.3V
<i>Short-circuit Current (Isc)</i>	10.84A	10.89A	10.94A	10.99A	11.04A	11.09A	11.13A
<i>Maximum Power Current (Imp)</i>	10.01A	10.06A	10.11A	10.15A	10.20A	10.24A	10.29A

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s