

# Mono Perc All Black

## JC(400-420)-108M-B8-H

Half-Cell High Efficiency PV Module

Max Module Efficiency: 21.50%

### KEY FEATURES

- Excellent module efficiency up to: 21.50%
- 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



Linear power output warranty

\*12 years minimum 92% power output

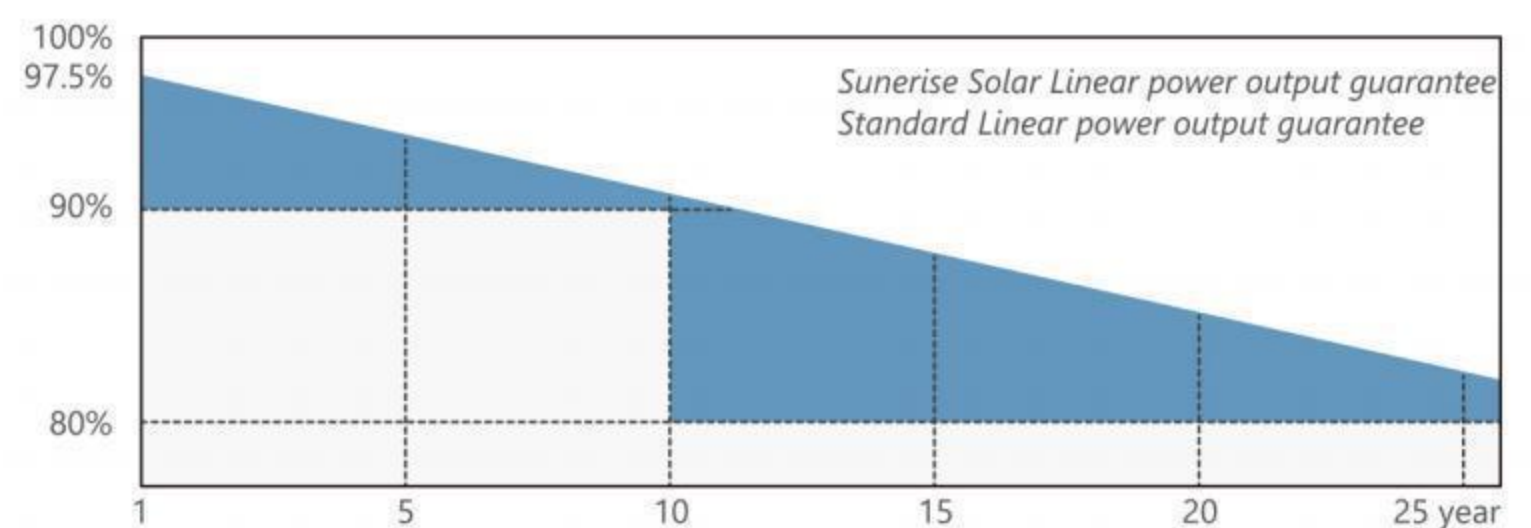
\*30 years minimum 83% power output



Product warranty on materials and workmanship

According to the applicable Einnova Solarline

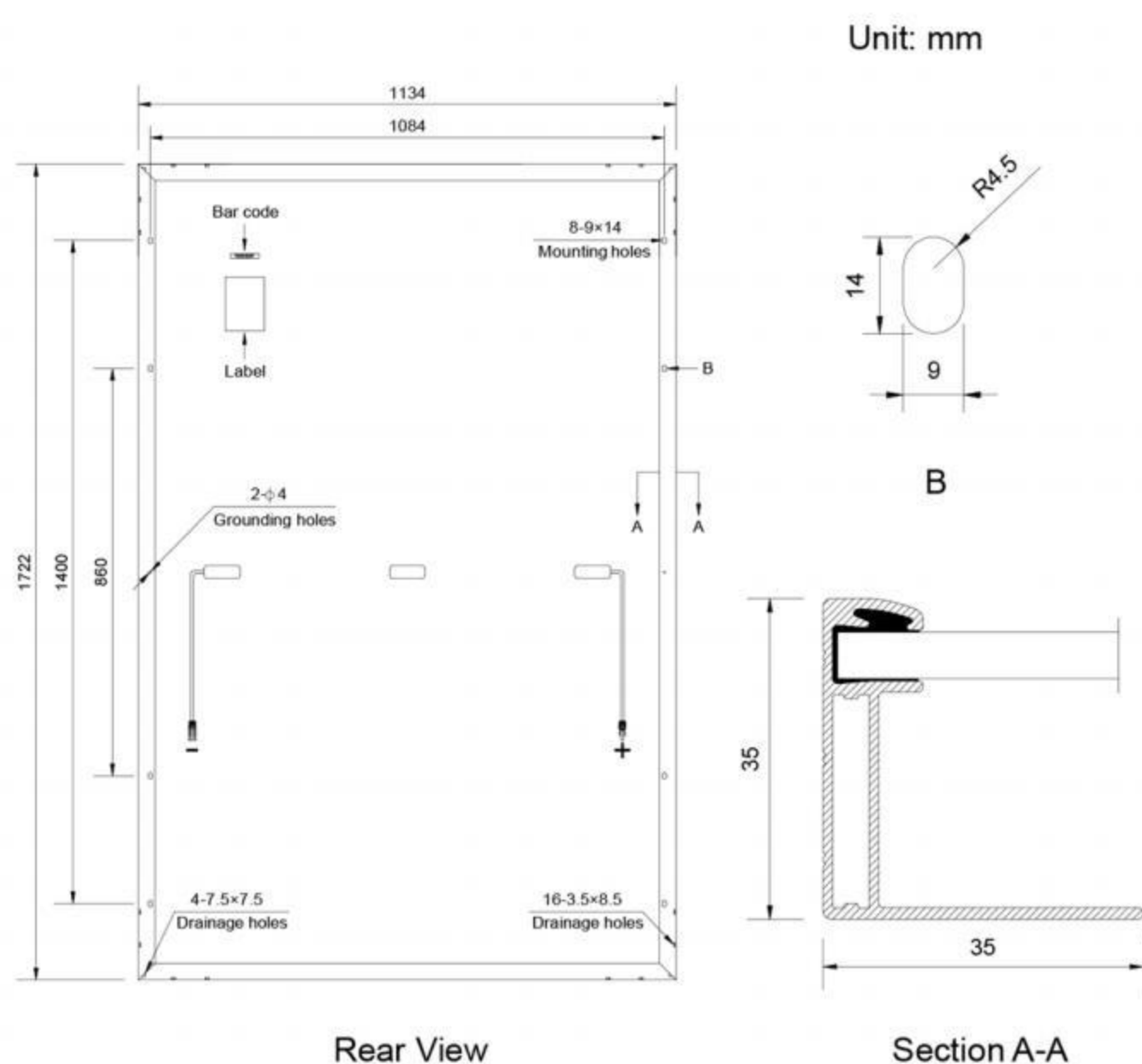
Limited Warranty Statement





# JC(400-420)-108M-B8-H

## DESIGN



## MECHANICAL SPECIFICATION

Cell Type	Dimension (L×W×T)	Weight
Mono 182*91mm	1722×1134×30mm	20.5kg
<b>Packing</b>	36pcs/pallet, 936pcs/40HQ	
<b>Cable</b> (Including connector)	4.0mm <sup>2</sup> , Portrait: 1200mm(+)/1200mm(-) Landscape: 1400mm(+)/1400mm(-)	
<b>No. of Cells</b>	108 (6×18)	
<b>Glass</b>	3.2mm High Transmission, Antireflection Coating	
<b>Junction box</b>	IP68, 3 Bypass Diodes	
<b>Connector</b>	MC4 Compatible	

## OPERATING PARAMETERS

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside	5400Pa
Wind load, backside	3600Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## ELECTRICAL CHARACTERISTICS(STC)

MODULE TYPE	JC(400-420)-108M-B8-H				
Maximum Power (Pmax)	400W	405W	410W	415W	420W
Open-circuit Voltage (Voc)	37.14V	37.23V	37.32V	37.41V	37.50V
Maximum Power Voltage (Vmp)	31.01V	31.21V	31.45V	31.69V	31.93V
Short-circuit Current (Isc)	13.79A	13.87A	13.95A	14.03A	14.11A
Maximum Power Current (Imp)	12.90A	12.98A	13.04A	13.10A	13.16A
Module Efficiency (%)	20.48%	20.74%	21.00%	21.25%	21.50%
Power Tolerance	0~+5W				
Temperature Coefficient of Isc	0.05%/°C				
Temperature Coefficient of Voc	-0.31%/°C				
Temperature Coefficient of Pmax	-0.35%/°C				

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## ELECTRICAL CHARACTERISTICS(NOCT)

MODULE TYPE	JC(400-420)-108M-B8-H				
Maximum Power (Pmax)	302W	306W	310W	314W	318W
Open-circuit Voltage (Voc)	34.88V	35.12V	35.36V	35.60V	35.84V
Maximum Power Voltage (Vmp)	29.26V	29.47V	29.68V	29.89V	30.10V
Short-circuit Current (Isc)	11.03A	11.10A	11.16A	11.22A	11.28A
Maximum Power Current (Imp)	10.32A	10.38A	10.43A	10.50A	10.57A

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s