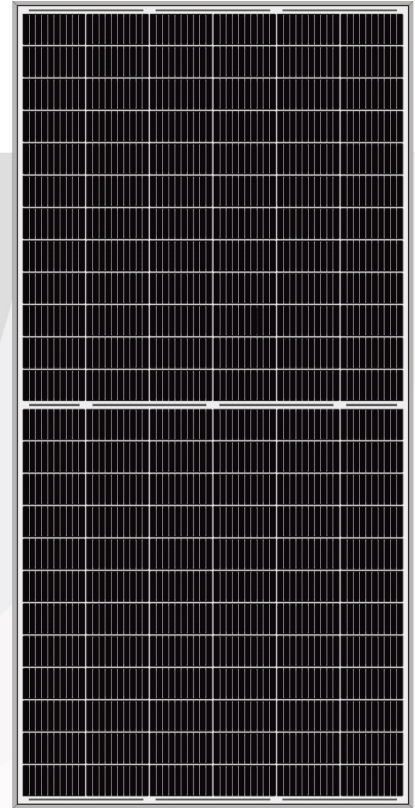


# Mono Perc JC(400-415)-144M

Half-Cell High Efficiency PV Module

Max Module Efficiency: 20.63%



## KEY FEATURES

- ⊙ Excellent module efficiency up to:20.63%
- ⊙ 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

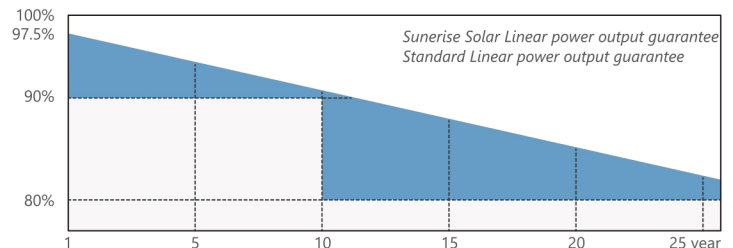
\*30 years minimum 83% power output



Product warranty on materials and workmanship

According to the applicable Einnova Solarline

Limited Warranty Statement



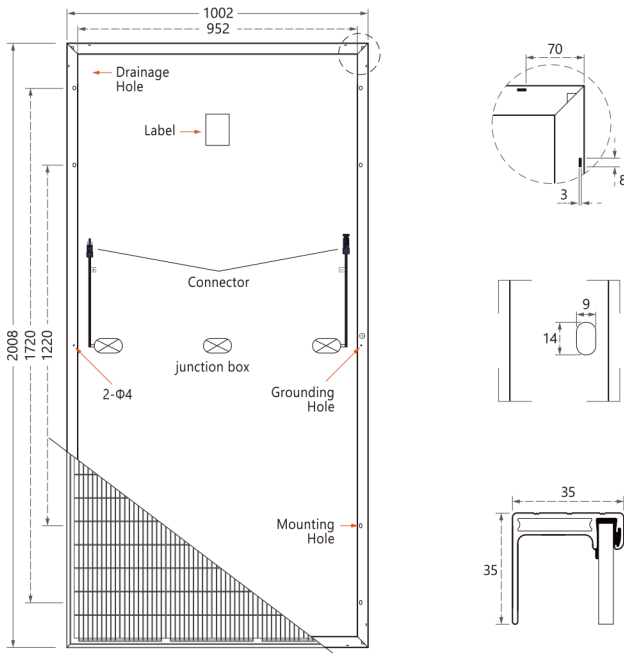
Anhui Sunerise Energy Co., Ltd

ADD: Building No.1-4, Liandong U Valley, Shenzhen Road, Hefei, China

Tel: +86 551 63817818 E-mail: info@sunerise.com Website: www.sunerisepv.com

# JC(400-415)-144M

## DESIGN



## MECHANICAL SPECIFICATION

Cell Type	Dimension (L×W×T)	Weight
Mono 158.75×79.375mm	2008×1002×35mm	23kg
Packing	31pcs/pallet, 726pcs/40HQ	
Cable (Including connector)	4.0mm <sup>2</sup> , Portrait: 350mm(+)/350mm(-) Landscape: 1400mm(+)/1400mm(-)	
No. of Cells	144 (6×24)	
Glass	3.2mm High Transmission, Antireflection Coating	
Junction box	IP68, 3 Bypass Diodes	
Connector	MC4 Compatible	

## OPERATING PARAMETERS

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
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(400-415)-144M			
Maximum Power (Pmax)	400W	405W	410W	415W
Open-circuit Voltage (Voc)	49.0V	49.2V	49.4V	49.6V
Maximum Power Voltage (Vmp)	40.6V	40.8V	41.0V	41.2V
Short-circuit Current (Isc)	10.32A	10.35A	10.40A	10.43A
Maximum Power Current (Imp)	9.86A	9.93A	10.0A	10.08A
Module Efficiency (%)	19.88%	20.13%	20.38%	20.63%
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(400-415)-144M			
Maximum Power (Pmax)	302W	305W	309W	313W
Open-circuit Voltage (Voc)	47.3V	47.5V	47.7V	47.9V
Maximum Power Voltage (Vmp)	39.6V	39.8V	40.1V	40.3V
Short-circuit Current (Isc)	8.19A	8.23A	8.27A	8.31A
Maximum Power Current (Imp)	7.63A	7.67A	7.71A	7.77A

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