

Mono Perc JC(430-460)-144M

Half-Cell High Efficiency PV Module

Max Module Efficiency: 21.16%

KEY FEATURES

- Excellent module efficiency up to:20.16%
- 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

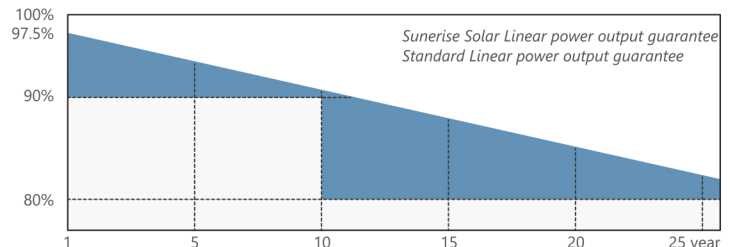
ISO 14001: 2015/Standards for environmental management system

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



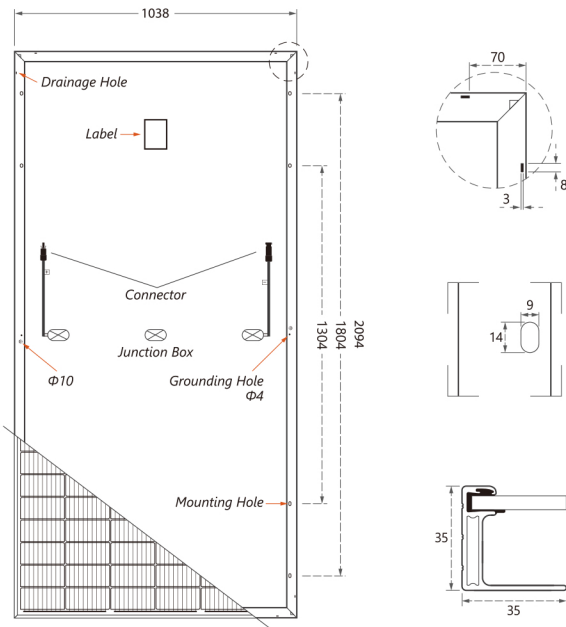
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JC(430-460)-144M

DESIGN



MECHANICAL SPECIFICATION

Cell Type	Dimension (L×W×T)	Weight
Mono 166×83mm	2094×1038×35mm	23.5kg
Packing	31pcs/pallet, 682pcs/40HQ	
Cable	4.0mm ² , Portrait: 350mm(+)/350mm(-) Landscape: 1400mm(+)/1400mm(-)	
(Including connector)		
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(430-460)-144M						
Maximum Power (Pmax)	430W	435W	440W	445W	450W	455W	460W
Open-circuit Voltage (Voc)	48.70V	48.85V	49.00V	49.15V	49.30V	49.45V	49.60V
Maximum Power Voltage (Vmp)	41.51V	41.66V	41.81V	41.96V	42.11V	42.26V	42.41V
Short-circuit Current (Isc)	11.23A	11.26A	11.29A	11.32A	11.35A	11.38A	11.41A
Maximum Power Current (Imp)	10.36A	10.44A	10.52A	10.61A	10.69A	10.77A	10.85A
Module Efficiency (%)	19.78%	20.01%	20.24%	20.47%	20.70%	20.93%	21.16%
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/m², Cell temperature 25°C, Spectrum AM1.5

ELECTRICAL CHARACTERISTICS(NOCT)

MODULE TYPE	JC(430-460)-144M						
Maximum Power (Pmax)	323W	327W	331W	334W	338W	342W	346W
Open-circuit Voltage (Voc)	46.09V	46.23V	46.37V	46.51V	46.66V	46.80V	46.94V
Maximum Power Voltage (Vmp)	39.28V	39.43V	39.57V	39.71V	39.85V	39.99V	40.14V
Short-circuit Current (Isc)	9.06A	9.09A	9.11A	9.13A	9.16A	9.18A	9.21A
Maximum Power Current (Imp)	8.23A	8.29A	8.36A	8.42A	8.49A	8.55A	8.61A

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