

Mono All Black

JC(475-505)-132M-AB

Half-Cell High Efficiency PV Module

Max Module Efficiency: 21.30%

KEY FEATURES

- Excellent module efficiency up to:21.30%
- 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

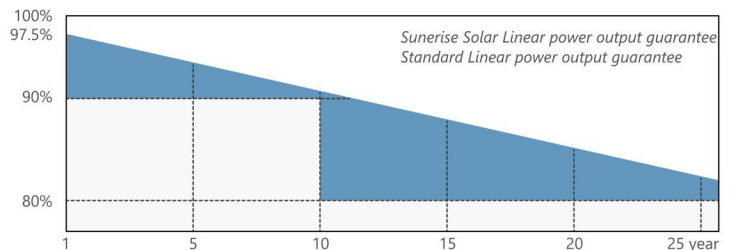


COMPREHENSIVE

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

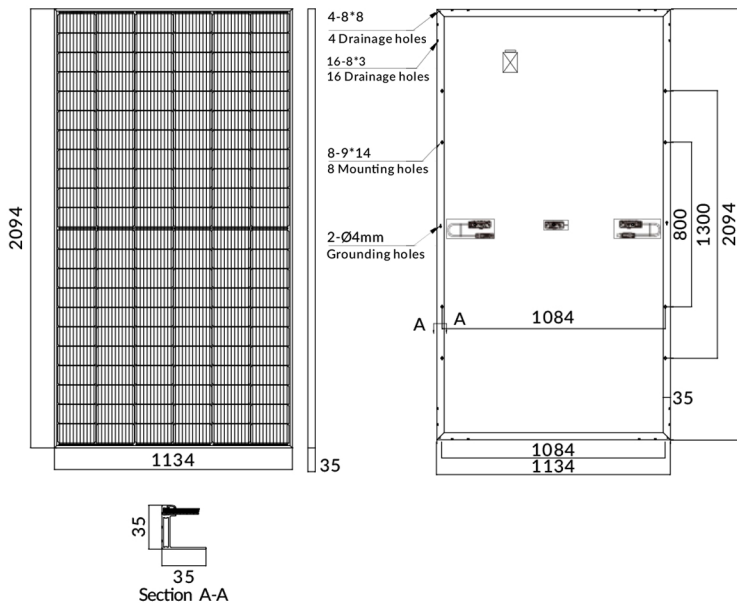
WARRANTY

- 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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DESIGN



MECHANICAL SPECIFICATION

Cell Type	Dimension (L×W×T)	Weight
Mono 182*91mm	2094×1134×35mm	26.5kg
Packing	31pcs/pallet, 682pcs/40HQ	
Cable	4.0mm ² , Portrait: 350mm(+)/350mm(-) Landscape: 1400mm(+)/1400mm(-)	
(Including connector)		
No. of Cells	132 (6×22)	
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	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(475-505)-132M-AB						
Maximum Power (Pmax)	475W	480W	485W	490W	495W	500W	505W
Open-circuit Voltage (Voc)	44.80V	44.95V	45.10V	45.25V	45.40V	45.55V	45.70V
Maximum Power Voltage (Vmp)	37.66V	37.80V	37.93V	38.08V	38.22V	38.38V	38.53V
Short-circuit Current (Isc)	13.51A	13.59A	13.67A	13.75A	13.83A	13.92A	13.99A
Maximum Power Current (Imp)	12.63A	12.71A	12.79A	12.87A	12.95A	13.05A	13.12A
Module Efficiency (%)	20.10%	20.30%	20.50%	20.70%	20.90%	20.10%	21.30%
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(475-505)-132M-AB						
Maximum Power (Pmax)	348W	352W	356W	360W	364W	368W	372W
Open-circuit Voltage (Voc)	41.44V	41.58V	41.72V	41.86V	42.00V	42.13V	42.27V
Maximum Power Voltage (Vmp)	34.50V	34.65V	34.80V	34.95V	35.15V	35.32V	35.37V
Short-circuit Current (Isc)	10.90A	10.96A	11.02A	11.08A	11.15A	11.21A	11.28A
Maximum Power Current (Imp)	10.11A	10.17A	10.23A	10.30A	10.36A	10.42A	10.49A

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