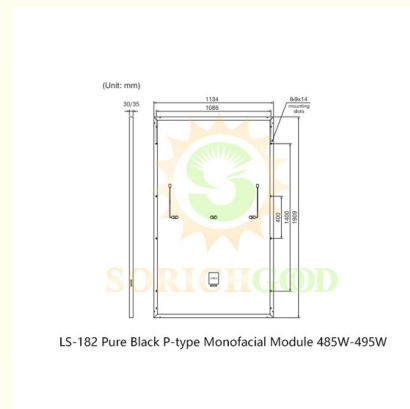




485W 182mm Monocrystalline Silicon PV Module Mono Si Solar Cells

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: IEC 61215/IEC 61730/ISO 9001/ISO 14001/ISO 45001
- Model Number: PB485
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Power Range: 485W ~ 495W
- Maximum Efficiency: 20.85%
- Open Circuit Voltage (Voc): 45.98V
- Short Circuit Current (Isc): 13.67A
- Module Dimension: 2094×1134×35mm
- Weight: 25.1kg (35mm)/23.8kg (30mm)
- Temperature Coefficient (Pmax): -0.34%
- Nominal Module Operating Temperature: 44±2°C
- Highlight: 182mm monocrystalline silicon pv module,
485W monocrystalline silicon pv module,
13.67A mono si solar cells

Product Description

485W 182mm Monocrystalline Silicon Panels The Perfect Choice for Large-Scale Solar Farms

182 Pure Black P-type Monofacial Module



Power Range

485W ~ 495W



Power Output Tolerance

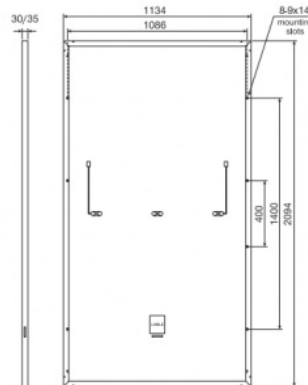
0W ~ +5W



Maximum Efficiency

20.85%

(Unit: mm)



Product Description:

The 182 Pure Black P-type Monofacial Module is a premium solar panel designed for high-efficiency energy production. It features a power range of 485W to 495W with a maximum efficiency of 20.85%. The module is built with 182mm monocrystalline half cells, which provide superior performance even in low-light conditions. The panel's structure includes a highly transparent 3.2mm tempered glass with anti-reflective coating, ensuring maximum sunlight absorption. The anodized aluminum alloy frame, coupled with a black back sheet, not only enhances the panel's aesthetic appeal but also provides robust protection against environmental elements. The IP68 rated junction box guarantees long-term reliability, even in harsh weather conditions.

Electrical Performance Parameters |STC

ModelType		485D(BPM) 66(182)	490D(BPM) 66(182)	495D(BPM) 66/(182)
Nominal Max.Power	Pmax(W)	485	490	495
Max.Power Voltage	Vmp(V)	37.62	37.82	38.02
Max.Power Current	Imp(A)	12.90	12.96	13.02
Open Circuit Voltage	Voc(V)	45.58	45.78	45.98
Short Circuit Current	Isc(A)	13.57	13.62	13.67
Module Efficiency	(%)	20.42	20.64	20.85
PowerOutput Tolerance	(W)		0~+5W	

*STC:Irradiance 1000W/m²,Cel Temperature 25°C,Air Mass AM1.5.

*Power measurement tolerance ±3%.

Electrical Performance Parameters |NMOT

Model Type		485D(BPM) 66(182)	490D(BPM) 66(182)	495D(BPM) 66(182)
Nominal Max.Power	Pmax(W)	365	370	375
Max.Power Voltage	Vmp(V)	34.64	34.84	35.04
Max.PowerCurrent	Imp(A)	10.54	10.62	10.71
Open Circuit Voltage	Voc(V)	42.93	42.98	43.03
Short Circuit Current	Isc(A)	10.72	10.92	11.12

·NMOT:Irradiance 800W/m²,Cell Temperature 20°C,Wind Speed 1m/s.

·Power measurement tolerance ±3%.

Structure Performance

Solar Cell Type	182mmMono-crystalline (Half Cell)
SolarCellArrangement	132pcs(6×22)
Module Dimension	2094×1134×35mm/30mm
Weight	25.1kg(35mm)/23.8kg(30mm)

Front Glass	3.2mm,highly transparent tempered glass with antireflective coating
Back Sheet	Black
Frame	Anodized Aluminum Alloy (Black)
Junction Box	IP68 rated
Cable	4mm ² ,portrait 28mm),landscape 1400mm(+ 1400mm (-) Length can be customized
Diode Quantity	3 pcs
Front side/Rear side	5400pa/2400pa
Connector	MC4 Compatible
Per Pallet	31pcs(35mm)/36pcs(30mm)
Per Container(40'HQ)	682pcs(35mm)/792pcs(30mm)

Temperature Characteristics	
Nominal Module Operating Temperature	44±2°C
Temperature Coefficient (Isc)	+0.048%
Temperature Coefficient(Voc)	-0.26%
Temperature Coefficient(Pmax)	-0.34%

Maximum Parameters	
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

Application:

This module is ideal for residential and commercial rooftop installations where aesthetics and efficiency are paramount. The black-on-black design seamlessly blends with modern architecture, making it a preferred choice for installations in urban environments. Additionally, its high efficiency and reliable performance make it suitable for large-scale solar farms where maximizing energy output is critical.

Shipping Methods:

Supports global air and sea shipping.



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