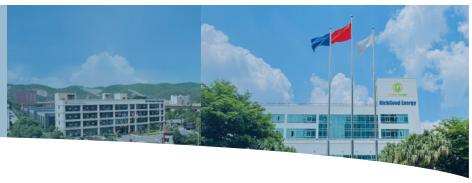
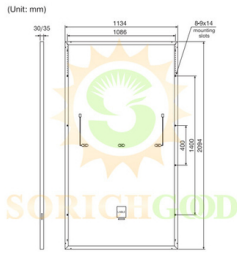


485W Powerful 21.06% Efficiency Monocrystalline Silicon Panels For Solar Applications

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: IEC 61215/IEC 61730/ISO 9001/ISO 14001/ISO 45001
- Model Number: PM485
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



LS-182 P-type Monofacial Module 485W~500W

Product Specification

- Power Range: 485W To 500W
- Efficiency: Up To 21.06%
- Cell Type: 182mm Monocrystalline Half-Cell
- Temperature Coefficient (Pmax): -0.34%/°CV
- Junction Box: IP68 Rated For Enhanced Durability
- Frame: Anodized Aluminum Alloy (White/Black)
- Connector Type: MC4 Compatible
- Per Container (40'HQ): 682pcs (35mm) / 792pcs (30mm)
- Highlight: **485w monocrystalline silicon panels**, **500W monocrystalline silicon solar panels**, **ip68 mono si solar cells**

Our Product Introduction

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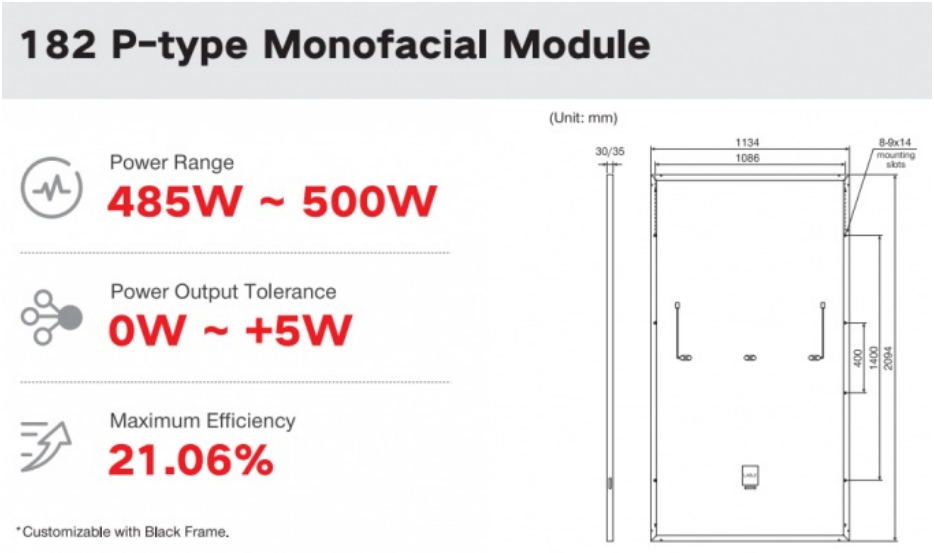
Product Description

485W Powerful 21.06% Efficiency Monocrystalline Silicon Panels for Solar Applications



Product Description

The 182 P-type Monofacial Module is engineered for high efficiency and reliability, featuring a power range of 485W to 500W and a maximum efficiency of 21.06%. The module's monocrystalline half-cell design, with a 132-cell configuration, ensures optimal energy conversion, making it suitable for diverse solar applications. Its anodized aluminum alloy frame provides durability, while the IP68-rated junction box ensures protection against environmental factors. This module's advanced temperature characteristics, including a nominal operating temperature coefficient of -0.34%/°C, make it ideal for high-temperature regions. The module is also customizable with a black frame, enhancing its aesthetic appeal for residential installations.

Electrical Performance Parameters |STC					
Mode Type		485D(HPM) 66(182)	490D(HPM) 66(182)	495D(HPM) 66(182)	500D(HPM) 66(182)
Nominal Max.Power	Pmax (W)	485	490	495	500
Max.PowerVoltage	Vmp(V)	37.80	38.00	38.20	38.40
Max.Power Current	Imp(A)	12.84	12.90	12.96	13.03
Open Circuit Voltage	Voc(V)	44.87	45.07	45.27	45.47
Short CircuitCurrent	sc(A)	13.70	13.77	13.83	13.89
Module Efficiency	(%)	20.42	20.64	20.85	21.06
PowerOutput Tolerance	(W)		0~+5W		
*STC:Irradiance 1000W/m²,Cell Temperature 25°C,Air Mass AM1.5. *Power measurement tolerance ±3%.					
Electrical Performance Parameters |NMOT					
Model Type		485D(HPM) 66(182)	490D(HPM) 66(182	495D(HPM) 66(182)	500D(HPM) 66(182)
Nominal Max.Power	Pmax (W)	365	370	375	380
Max.PowerVoltage	Vmp(V)	34.80	34.97	35.34	35.51
Max.Power Current	Imp(A)	10.50	10.60	10.62	10.71
Open CircuitVoltage	Voc(V)	42.31	42.45	42.70	42.87
Short Circuit Current	Isc(A)	11.07	11.13	11.23	11.30
*NMOT:Irradiance 800W/m²,Cell Temperature 20°C,WindSpeed 1m/s. *Power measurement tolerance ±3%.					
Structure Performance					
Solar Cell Type	182mm Mono-crystalline (Half Cell)				
Solar Cell Arrangement	132pcs(6×22)				

Modu|e Dimension	2094×1134×35mm/30mm
Weight	25.1kg(35mm)/23.8kg(30mm)
Front Glass	3.2mm,highly transparent tempered glass with anti-reflective coating
Back Sheet	White
Frame	Anodized Aluminum Alloy(White/Black)
Junction Box	IP68 rated
Cable	4mm²,portrait -(+)) ,landscape (+)(-) 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℃
Temperature Coefficient (Isc)	+0.048%
Temperature Coefficient (Voc)	-0.26%
Temperature Coefficient (Pmax)	-0.34%

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

Application

This module is ideal for residential, commercial, and utility-scale solar projects, offering high efficiency and performance in various environmental conditions. Its ability to maintain performance in high temperatures and its customizable black frame option make it an excellent choice for applications where aesthetics and efficiency are both prioritized.

Shipping Methods

Supports global air and sea shipping.

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