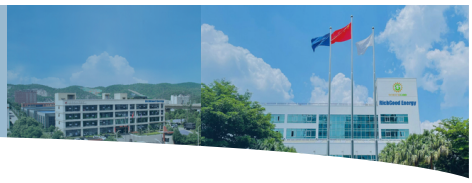
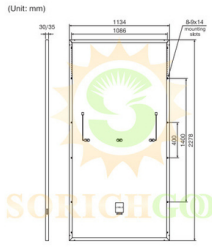


525W-550W Monocrystalline Silicon Panels For Large Scale Solar Power Installations

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: PM525
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



LS-182 P-type Monofacial Module 525W-550W

Product Specification

- Power Range: 525W ~ 550W
- Power Output Tolerance: 0W ~ +5W
- Maximum Efficiency: 21.29%
- Module Dimensions: 2278×1134×35mm
- Weight: 28.0kg (35mm) / 26.3kg (30mm)
- Operating Temperature: -40~+85°C
- Maximum System Voltage: 1500V DC
- Nominal Maximum Fuse Current: 25A
- Highlight: **525w monocrystalline silicon panels**, **550W monocrystalline silicon solar panels**, **1500v monocrystalline silicon solar**

Our Product Introduction

for more products please visit us on fuhaosolar.com

Product Description

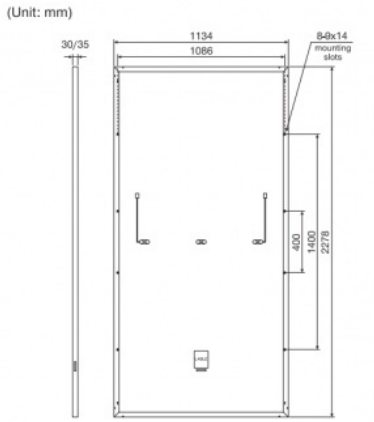
525W-550W Monocrystalline Silicon Panels for Large-Scale Solar Power Installations

182 P-type Monofacial Module

Power Range
525W ~ 550W

Power Output Tolerance
0W ~ +5W

Maximum Efficiency
21.29%



Product Description

This advanced 182 P-type Monofacial Module offers a remarkable power range from 525W to 550W, featuring a high maximum efficiency of 21.29%. Designed with 144 (6x24) half-cut cells, the module delivers exceptional performance with superior energy conversion efficiency. Its robust structure includes a 3.2mm highly transparent tempered glass with anti-reflective coating and an anodized aluminum alloy frame, ensuring long-term durability in various environmental conditions.

Electrical Performance Parameters |STC	
ModelType	525D(HPM) 530D(HPM) 535D(HPM) 5400(HPM) 545D(HPM) 550D(HPM) 72(182) 72(182) 72(182) 72(182) 72(182) 72(182)
NominalMax.Power Pmax(W	525 530 535 540 545 550
Max.Power Voltage Vmp(V	41.00 41.20 41.40 41.60 41.80 42.00
Max.Power Current mp(A	12.81 12.87 12.92 12.98 13.04 13.10
Open CircuitVoltage Voo(V	48.82 49.02 49.22 49.42 49.62 49,82
Short Circuit Current Isc(A)	13.68 13.74 13.79 13.85 13.91 13.97
Module Efficlency (%)	20.32 20.52 20.71 20.90 21.10 21.29
Power Output Tolerance (W)	0~+5W
·STC:Irradiance 1000W/m²,Cell Temperature 25℃,AirMass AM1.5. ·Power measurement tolerance ±3%.	

Electrical Performance Parameters |NMOT							
ModelType		525D(HPM 72(182)	530D(HPM) 72(182)	535D(HPM) 72(182)	540D(HPM) 72(182)	545D(HPM) 72(182)	550D(HPM) 72(182)
Nominal Max.Power	Pmax(W)	390	394	398	402	405	409
Max.Power Voltage	Vmpl V	37.57	37.74	37.91	38.08	38.25	38.42
Max.Power Current	Imp(A)	10.40	10.45	10.50	10.55	10.60	10.65
Open Circuit Voltage	Voc(V)	46.44	46.51	46.57	46.65	46.72	46.84
ShortCircuit Current	Isc(A)	11.03	11.10	11.14	11.19	11.26	11.33
··NMOT:Iradiance 800W/m²,Cell Temperature 20℃,Wind Speed 1m/s.							

Structure Performance	
Solar Cell Type	182mm Mono-crystalline (Half Cell)

Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2278×1134×35mm/30mm
Weight	28.0kg(35mm)/26.3kg(30mm)
Front Glass	3.2mm,highly transparent tempered glass with anti-reflective coating
Back Sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²,portrait 200mm,landscape m) (- 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)	620pcs(35mm)/720pcs(30mm)

Temperature Characteristics	
NominalModule Operating Temperature	44±2℃
Temperature Coefficient (Isc)	+0.048%
Temperature Coefficient (Voc)	-0.26%
Temperature Coefficient (Pmax)	-0.34%

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

Application

This module is ideal for large-scale solar power installations, including commercial and utility-scale projects. Its high efficiency and power output make it particularly suitable for regions with high solar irradiance. Additionally, it is well-suited for projects that require space-efficient panel deployment without compromising energy generation capacity.

Shipping Methods

Supports global air and sea shipping.

RICHGOOD ENERGY CO.,LTD

willa@fuhaosolar.com fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou