

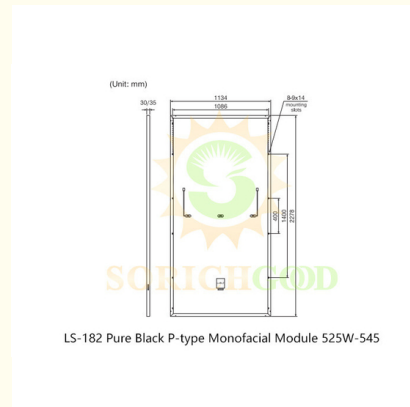


525W Powerful Stylish Monocrystalline Silicon Panels For Residential And Commercial

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: PB525
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Nominal Max. Power (Pmax): 525W~545W
- Maximum Efficiency: 21.1%
- Power Output Tolerance: 0W ~ +5W
- Open Circuit Voltage (Voc): 49.98V~50.78V
- Short Circuit Current (Isc): 13.54A~13.74A
- Max. Power Voltage (Vmp): 40.82V~41.44V
- Max. Power Current (Imp): 12.87A~13.74A
- Module Efficiency (NMOT): 19.5%~20.0%
- Highlight: **525W Monocrystalline Silicon Panels,**
Commercial Monocrystalline Silicon Panels,
Residential monocrystalline module

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182 Pure Black P-type Monofacial Module



Built with a robust anodized aluminum alloy frame in black and an IP68 rated junction box, this module is designed to withstand harsh weather conditions, ensuring long-term durability and reliability. The module's 3.2mm highly transparent tempered glass with anti-reflective coating maximizes sunlight absorption, further enhancing its energy output.

Electrical Performance Parameters STC						
Model Type		525D(BPM) 72(18 2)	530D(BPM) 72(182)	535D(BPM) 72(18 2)	540D(BPM) 72(18 2)	545D(BPM) 72(18 2)
NominalMax.Power	Pmax(W)	525	530	535	540	545
Max.Power Voltage	Vmp(V)	40.82	41.04	41.24	41.44	41.64
Max.Power Current	Imp(A)	12.87	12.92	12.98	13.04	13.09
Open Circuit Voltage	Voc(V)	49.98	50.18	50.38	50.58	50.78
ShortCircuitCurrent	sc(A)	1,354	13.59	13.64	1,369	1,374
Module Efficiency	(%)	20.32	20.52	20.71	20.90	21.10
Power Output Tolerance	(W)			0~+5 W		

·STC:Irradiance 1000W/m²,Cell Temperature 25°C,Air Mass AM1.5.
*Powermeasurement tolerance ±3%.

Electrical Performance Parameters NMOT						
Mode Type		525D(BPM) 72(18 2)	530D(BPM) 72(182)	535D(BPM) 72(18 2)	540D(BPM) 72(18 2)	545D(BPM) 72(18 2)
NominalMax.Power	Pmax(W)	390	395	400	405	410
Max.PowerVoltage	Vmp(V)	37.84	38.04	38.24	38.44	38.64
Max.Power Current	mp(A)	10.31	10.39	10.47	10.54	10.62
Open CircuitVoltage	Voc(V)	47.48	47.68	47.88	48.08	48.28
Short Circuit Current	sc(A)	1,092	10.97	11.02	11.07	11.12

·NMOT:Irradiance 800W/m²,Cell T Temperature 20°C,Wind Speed 1m/s.
·Power measurement tolerance ±3%.

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 antireflective coating	
Back Sheet	Black	
Frame	Anodized Aluminum Alloy (Black)	
Junction Box	IP68 rated	
Cable	400mm(+)-londc 4mm ² ,ponrait200mm(-),lanascape Length can be customized	1400mm(t) 1400mm-
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	
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 installations where both performance and aesthetics are critical. It is particularly suitable for residential rooftops, commercial buildings, and urban environments where a sleek, all-black appearance is desired. Additionally, the module's high efficiency and power output make it an excellent choice for projects with limited space but high energy requirements.

Shipping Methods

Supports global air and sea shipping.



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