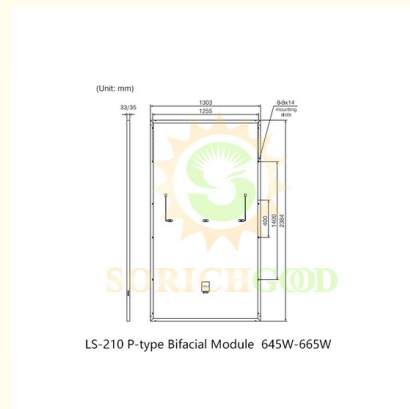




PM645 High Power Output 210 Pure Black P-Type Monofacial Module

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: IEC 61215/IEC 61730/ISO 9001/ISO 14001/ISO 45001
- Model Number: PM665
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Power Range: 645W ~ 665W
- Power Output Tolerance: 0W ~ +5W
- Maximum Efficiency: 21.41%
- Module Dimension: 2384×1303×35mm / 33mm
- Weight: 33.8kg (35mm) / 33.3kg (33mm)
- Front Glass: 3.2mm Highly Transparent Tempered Glass With Anti-reflective Coating
- Connector: MC4 Compatible
- Temperature Coefficient (Pmax): -0.34%
- Highlight: **black mono facial, P-Type monofacial module, PM645 mono facial**

Product Description

PM645 High Power Output 210 Pure Black P-type Monofacial Module for Large-scale Installations

210 P-type Monofacial Module



Power Range

645W ~ 665W



Power Output Tolerance

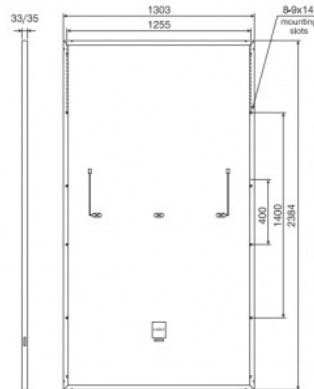
0W ~ +5W



Maximum Efficiency

21.41%

(Unit: mm)



Product Description:

The 210 Pure Black P-type Monofacial Module stands out with its remarkable power range of 645W to 665W, offering one of the highest power outputs in its class. This module is engineered for maximum efficiency, reaching up to 21.41%, which positions it as a leader in performance within the 210mm monocrystalline (half cell) category. With a robust design, it includes a 3.2mm highly transparent tempered glass with anti-reflective coating, ensuring durability and optimal light absorption. The module's dimensions of 2384×1303×35mm make it suitable for large-scale installations where high power density is crucial.

Electrical Performance Parameters STC						
Model Type		645D(HPM) 66(210)	650D(HPM) 66(210)	655D(HPM) 66(210)	660D(HPM) 66(210)	665D(HPM) 66(210)
Nominal Max.Power	P _{max} (W)	645	650	655	660	665
Max.Power Voltage	V _{mp} (V)	37.30	37.50	37.70	37.90	38.10
Max.Power Current	I _{mp} (A)	17.30	17.34	17.38	17.42	17.46
Open Circuit Voltage	V _{oc} (V)	45.00	45.20	45.40	45.60	45.80
Short Circuit Current	I _{sc} (A)	18.38	18.42	18.46	18.50	18.54
Module Efficiency	(%)	20.76	20.92	21.09	21.25	21.41
Power Output Tolerance	(W)			0~+5W		
*STC:Irradiance 1000W/m ² ,Cell Temperature 25°C,Air Mass AM1.5. *Power measurement tolerance ±3%.						
Electrical Performance Parameters NMOT						
Model Type		645D(HPM) 66(210)	650D(HPM) 66(210)	655D(HPM) 66(210)	660D(HPM) 66(210)	665D(HPM) 66(210)
Nominal Max.Power	P _{max} (W)	488	492	496	500	504
Max.Power Voltage	V _{mp} (V)	34.74	34.92	35.04	35.28	35.48
Max.Power Current	I _{mp} (A)	14.05	14.09	14.13	14.18	14.21
Open Circuit Voltage	V _{oc} (V)	42.50	42.70	42.90	43.10	43.20
Short Circuit Current	I _{sc} (A)	14.82	14.86	14.90	14.94	14.98
*NMOT:Irradiance 800W/m ² ,Cell Temperature 20°C,Wind Speed 1m/s. *Power measurement tolerance ±3%.						
Structure Performance						
Solar Cell Type		210mm Mono-crystalline (Half Cell)				
Solar Cell Arrangement		132pcs(6×22)				

Module Dimension	2384×1303×35mm/33mm
Weight	33.8kg(35mm)/33.3kg(33mm)
Front Glass	3.2mm,highly transparent tempered glass with anti-reflective coating
Back Sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	400mm(+) .landscape 1400mm(+) 200mm(-) 1400mm(-) Length can be customized
Diode Quantity	3 pcs
Front side/Rear side	5400pa/2400pa
Connector	MC4 Compatible
Per Pallet	31pcs(35mm)/33pcs(33mm)
Per Container(40'HQ)	558pcs(35mm)/594pcs(33mm)

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	30A

Application:

This module is ideal for utility-scale solar farms and large commercial projects where high efficiency and power output are critical. Its robust construction and high efficiency make it a perfect choice for areas with high solar irradiance, maximizing the return on investment through superior energy yield.

Shipping Methods:

Supports global air and sea shipping.



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