HJT Photovoltaic Module 650W-700W

Model: HJT-PV Power: 650W-700W

Summary

Highjoule's HJT-PV series PV module is a highly efficient and durable solar module. Using monocrystalline silicon cells, it can achieve better energy output even under low light conditions.

HJT Photovoltaic Module 650W-700W (HJT-PV)

Product Features

Highly efficient energy conversion

High purity monocrystalline silicon cells are used to maximize energy generation

Durable construction

Rugged, weather-resistant frame encapsulation to withstand harsh environmental

conditions

Enhanced low-light performance

Good power generation efficiency under low-light or cloudy conditions

Anti-Reflection Coating

Reduces light reflection, improves light absorption and increases energy efficiency

Technical Parameters

Electrical Data(STC)

Electrical Data(STC)						
Maximum Power Pmax(W)	**675**	**680**	**685**	**690**	**695**	**700**
Maximum Power Voltage Vmp(V)	**39.4**	**39.6**	**39.8**	**40.1**	**40.3**	**40.5**
Maximum Power Current Imp(A)	**17.12**	**17.16**	**17.19**	**17.23**	**17.25**	**17.28**
Open Circuit Voltage Voc(V)	**47.2**	**47.4**	**47.7**	**47.9**	**48.3**	**48.6**
Short Circuit Current Isc(A)	**18.14**	**18.18**	**18.21**	**18.25**	**18.28**	**18.32**
Module Efficiency (%)	**21.7**	**21.9**	**22.1**	**22.2**	**22.4**	**22.5**
Output Power Tolerance (W)	**0~+5**					
STC: 1000W/m2 Irradiation,25°C Module Temperature and and AM 1.5g Spectrum						

Electrical Characteristics with different power bin

Electrical Characteristics with different power bin(reference to 10% Irradiance ratio						
Total equivalent Power – Pmax(W)	**729**	**734**	**740**	**745**	**751**	**756**
Maximum Power Voltage Vmp(V)	**39.4**	**39.6**	**39.8**	**40.1**	**40.3**	**40.5**
Maximum Power Current Imp(A)	**18.49**	**18.53**	**18.57**	**18.61**	**18.63**	**18.66**
Open Circuit Voltage Voc(V)	**47.2**	**47.4**	**47.7**	**47.9**	**48.3**	**48.6**
Short Circuit Current Isc(A)	**19.59**	**19.63**	**19.67**	**19.71**	**19.74**	**19.78**

Electrical Data(NOCT)

Electrical Data(NOCT)						
Maximum Power Pmax(W)	**514**	**517**	**521**	**526**	**530**	**534**
Maximum Power Voltage Vmp(V)	**37**	**37.2**	**37.3**	**37.7**	**37.8**	**38**
Maximum	**13.89**	**13.91**	**13.94**	**13.96**	**14.02**	**14.04**

Power Current Imp(A)						
Open Circuit Voltage Voc(V)	**44.7**	**44.9**	**45.2**	**45.4**	**45.8**	**46**
Short Circuit Current Isc(A)	**14.62**	**14.65**	**14.67**	**14.71**	**14.73**	**14.76**

Mechanical Characteristics

Mechanical Characteristics	
Number of Cells(Half-cut)	**132(12×11)**
Dimension LxWxH(mm)	**2384x1303x33(93.86×51.30×1.30 inch)**
Weight(kg)	**38.3(84.5lb)**
Front Glass	**High Transmission,Low Iron,Tempered ARC Glass**
Back-sheet	**Heat Strengthened Glass(White Grid Glass)**
Frame	**Silver White,Anodized Aluminum Alloy**
Junction Box	**IP68 Rated**
Cable	**TUV,1x4mm2;Anode:350mm,Cathode:230mm**
Number of Diodes	**3**

Wind/Snow Load	**2400Pa/5400Pa**
Connectors	**MC Compatible**

Temperature Ratings

Temperature Ratings	
Nominal Operating Cell Temperature(NOCT)	**45±2°C**
Temperature Coefficient of Isc	**+0.04%/°C**
Temperature Coefficient of Voc	**-0.25%/°C**
Temperature Coefficient of Pmax	**-0.30%/°C**

Maximum Ratings

Maximum Ratings	
Operating Temperature	**-40 to +85°C**
Maximum System Voltage	**1500V DC**
Maximum Series Fuse Rating	**30A**
Limiting Reverse Current	**30A**

Application

Residential rooftop solar systems Commercial buildings for sustainable energy integration Industrial facilities looking to offset electricity costs Off-grid applications in remote locations requiring reliable power

Contact Us

For catalog requests, pricing, or partnerships, please visit:
https://www.highjoule.com

Scan QR Code
Visit Our Website