

PS620W#BPVD

Features:



TOPCon cells double-sided rate up to 85% and more back power generation by 5-25%



Double-glass Technology, higher encapsulation blocking and mechanical strength



Higher performance in anti hidden cracking, acid and alkali, salt spray, water vapor, UV, PID



TOPCon cells, lower attenuation, better temperature coefficient & dim light performance



LECO laser assisted sintering technology, reduces contact resistance and improves efficiency by 0.2% -0.5%



Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A

Mechanical Specification

No.of Cells	132 (6×22)
Weight	32.5kg
Cells Type	N-type 182×105mm
Dimension (L×W×T)	2382×1134×30mm
Packing	36pcs/Pallet, 720pcs/40HQ
Cable(Including connector)	4.0mm ² , 300/200mm in length,
(Including connector)	length can be customized
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

Electrical Characteristics

Module Type	PS620W#BPVD	
Test conditions	STC	NOCT
Maximum Power (Pmax/W)	620	467
Open-circuit Voltage (Voc/V)	48.6	46.2
Maximum Power Voltage (Vmp/V)	41.3	39.2
Short-circuit Current (Isc/A)	16.00	12.92
Maximum Power Current (Imp/A)	15.01	11.91
Module Efficiency (STC)	22.95	
Refer Bifacial Factor	80±5%	

STC-Standard Test Environment: Irradiance 1000W m², Cell temperature 25°C, Spectrum AM1.5

NOC-Standard Test Environment: Irradiance 800W m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m s

General Features

Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (Pmax)	620
	Module Efficiency (%)	22.9
15%	Maximum Power (Pmax)	678.5
	Module Efficiency (%)	25.1
25%	Maximum Power (Pmax)	737.5
	Module Efficiency (%)	27.3

Temperature Coefficient

Temperature Coefficient of Isc (α_{Isc})	0.046%/°C
Temperature Coefficient of Voc (β_{Voc})	-0.25%/°C
Temperature Coefficient of Pmax (γ_{Pmp})	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa



Material & technology warranty



Linear power output warranty

Design

