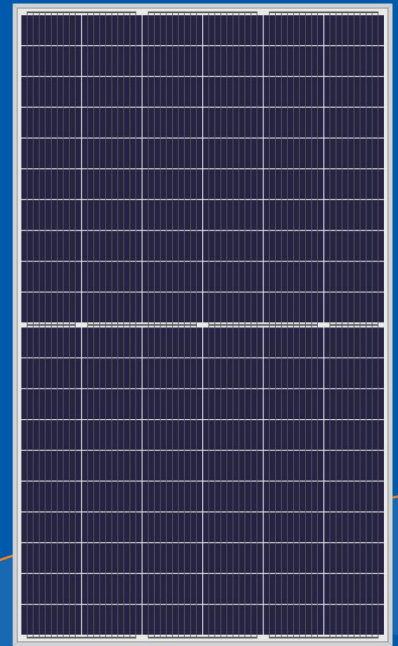


Half-Cell High Efficiency PV Module

158.75^{mm}

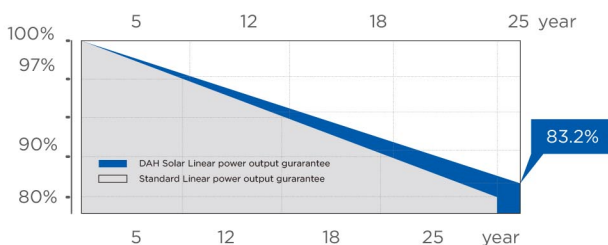
HCP60

290W-300W



QUALITY GUARANTEE

LINEAR POWER OUTPUT GUARANTEE









10 years 10-year material & technology warranty

25 years 25-year linear power output warranty

0~+5W
Positive Tolerance

17.76%
Max Module Eff.(%)

PRODUCT PERFORMANCE ADVANTAGE

-  Excellent space utilization performance, increasing power density effectively and reducing costs
-  Reducing the temperature of the solar module hot spot above 20°C, to ensure system stability and reliability
-  Larger size of light receiving area, higher solar panel power, lower system cost
-  Lower temperature coefficient, zero depth reflection increasing
-  More busbars, the less of broken and cracking, as the narrowed cell bus bar width, the light receiving area and power are increased too
-  Reducing the loss of current mismatch and resistance



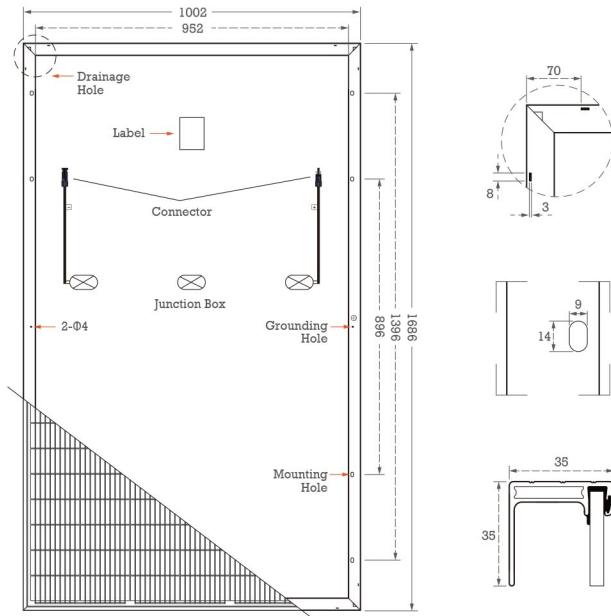
Reliable Quality | Green Our Planet

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Mob : +86 181 3007 0283
Mail : info@prosolarpv.com
Website : www.prosolarpv.com

Half-Cell High Efficiency PV Module

HCP60 290W-300W

Design



Mechanical Specification

Cells Type	Poly 158.75×79.375mm
Weight	19kg
Dimension (L×W×T)	1686×1002×35mm
Cable	4.0mm ² ; Portrait: N 400mm /P 300mm, Landscape: N 1200mm /P 1200mm
No.of Cells	120 (6×20)
Glass	3.2 mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC4 or MC4 Compatible
Packing	30pcs/pallet, 360pcs/20GP, 845pcs/40HQ

Operating Parameters

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85℃
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45℃±2℃
Application level	Class A

Electrical Characteristics(STC)

Module Type	HCP60-290W	HCP60-295W	HCP60-300W
Maximum Power (Pmax)	290W	295W	300W
Open-circuit Voltage (Voc)	39.2V	39.5V	39.8V
Maximum Power Voltage (Vmp)	31.8V	32.1V	32.3V
Short-circuit Current (Isc)	9.60A	9.67A	9.77A
Maximum Power Current (Imp)	9.12A	9.19A	9.29A
Module Efficiency (%)	17.17%	17.46%	17.76%
Power Tolerance		0-+5W	
Temperature Coefficient of Isc		0.05%/℃	
Temperature Coefficient of Voc		-0.31%/℃	
Temperature Coefficient of Pmax		-0.38%/℃	
Standard Test Environment	Irradiance 1000w/m ² , Cell temperature 25℃, Spectrum AM1.5		

Electrical Characteristics(NOCT)

Module Type	HCP60-290W	HCP60-295W	HCP60-300W
Maximum Power (Pmax)	219W	223W	227W
Open-circuit Voltage (Voc)	36.9V	37.2V	37.4V
Maximum Power Voltage (Vmp)	30.1V	30.4V	30.6V
Short-circuit Current (Isc)	7.74A	7.80A	7.88A
Maximum Power Current (Imp)	7.28A	7.34A	7.42A
Standard Test Environment	Irradiance 800w/m ² , Cell temperature 20℃, Spectrum AM1.5, Wind speed 1m/s		