

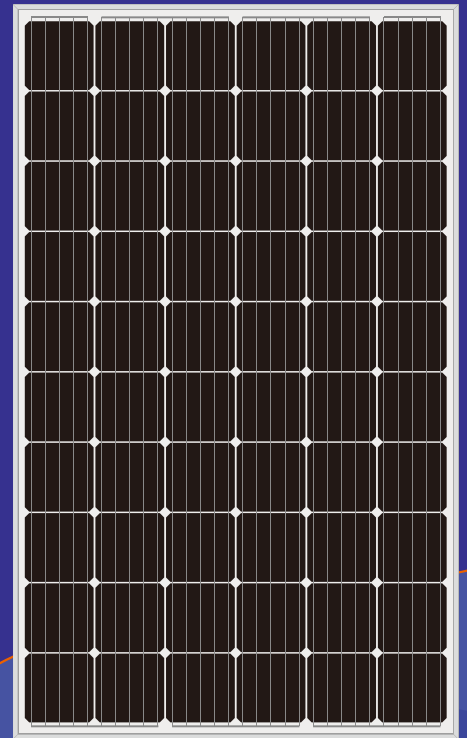
Perc PV Module

Mono

DHM60

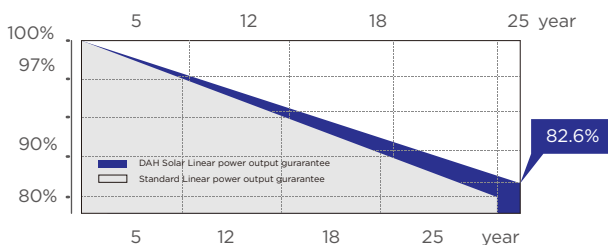
295W-310W

The Perc PV module uses a passivated emitter and a back-domain contact cell to make a layer of aluminum oxide + silicon nitride on the back side of the regular cells, and then laser-opening the film. The film-opening part uses a special aluminum paste. Mono Perc modules currently have a power generation conversion efficiency of over 21%. Perc technology uses silicon nitride or aluminum oxide to form a passivation layer on the reverse side of the cells. As a back reflector, it increases the absorption of long-wave light, maximizes the potential difference between P-N poles, and reduces electron recombination, thereby improving cells efficiency.



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

18.96%

Max Module Eff.(%)

PRODUCT PERFORMANCE ADVANTAGE



Select Grade A crystalline silicon solar cells, high-power output with cost-effective



Preferred packaging materials and strict process technology, excellent PID free performance



Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests, strong environmental adaptability



Highly transparent coated tempered glass to increase light absorption and reduce power loss



Optimized frame design to improve PV module load capacity and appearance protection

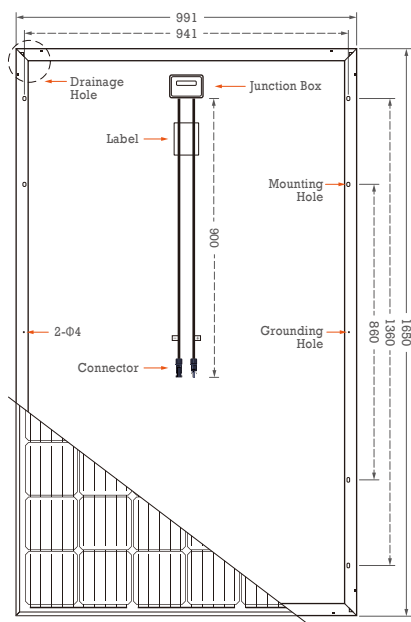


SMART
SOLAR
SYSTEM

Perc PV Module

DHM60 295W-310W

Design



Mechanical Specification

Cells Type	Mono 156.75×156.75mm
Weight	18.5kg
Dimension (L×W×T)	1650×991×35mm
Output Cables	TUV, Length 900mm, 4.0mm ²
No.of Cells	60 (6×10)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC4
Packing	30pcs/pallet, 400pcs/20GP, 924pcs/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	DHM60-295W	DHM60-300W	DHM60-305W	DHM60-310W
Maximum Power (Pmax)	295W	300W	305W	310W
Open-circuit Voltage (Voc)	39.7V	39.9V	40.2V	40.4V
Maximum Power Voltage (Vmp)	32.5V	32.7V	32.9V	33.1V
Short-circuit Current (Isc)	9.55A	9.64A	9.72A	9.83A
Maximum Power Current (Imp)	9.08A	9.19A	9.28A	9.37A
Module Efficiency (%)	18.04%	18.35%	18.65%	18.96%
Power Tolerance	0~+5W			
Temperature Coefficient of Isc	0.05%/℃			
Temperature Coefficient of Voc	-0.32%/℃			
Temperature Coefficient of Pmax	-0.41%/℃			
Standard Test Environment	Irradiance 1000w/m ² , Cell temperature 25℃, Spectrum AM1.5			

Electrical Characteristics(NOCT)

Module Type	DHM60-295W	DHM60-300W	DHM60-305W	DHM60-310W
Maximum Power (Pmax)	220W	224W	227W	231W
Open-circuit Voltage (Voc)	36.9V	37.1V	37.2V	37.5V
Maximum Power Voltage (Vmp)	30.0V	30.2V	30.5V	30.6V
Short-circuit Current (Isc)	7.73A	7.78A	7.84A	7.93A
Maximum Power Current (Imp)	7.33A	7.41A	7.47A	7.55A
Standard Test Environment	Irradiance 800w/m ² , Cell temperature 20℃, Spectrum AM1.5, Wind speed 1m/s			