

# Perc PV Module

Mono

## DHM60

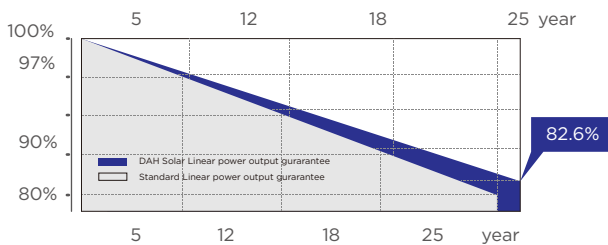
### 295W-310W

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.(%)

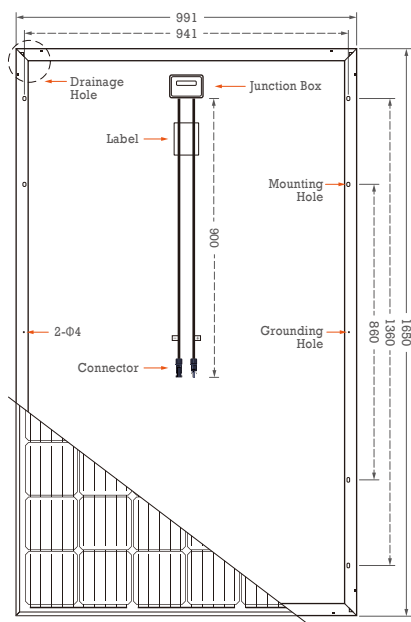
### PRODUCT PERFORMANCE ADVANTAGE

-  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

# 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 <sup>2</sup>
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 <sup>2</sup> , 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 <sup>2</sup> , Cell temperature 20℃, Spectrum AM1.5, Wind speed 1m/s			