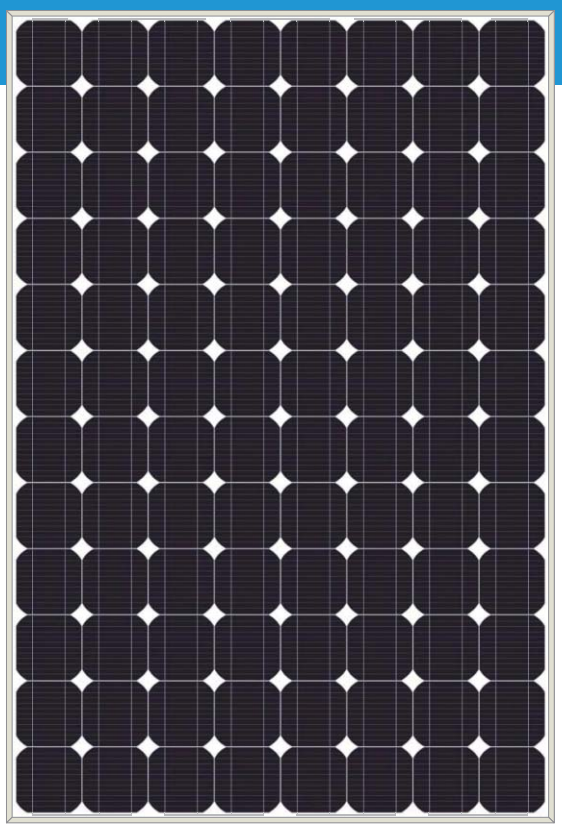
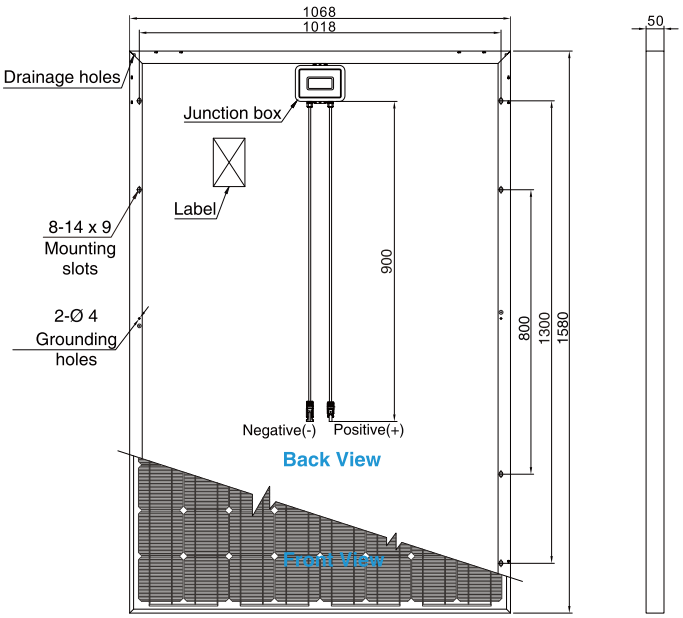
Hareonsolar

Solar Modules

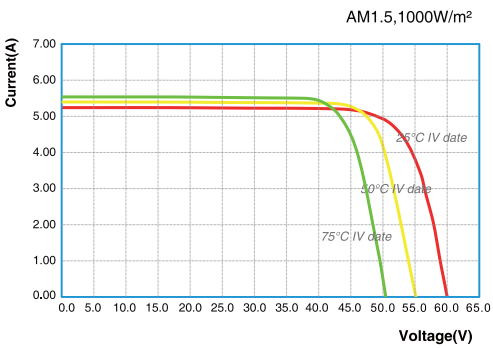
Mono-crystalline Solar Modules Series

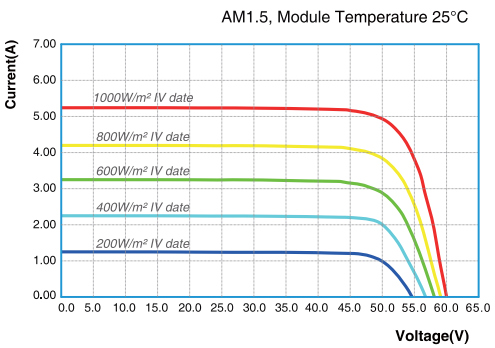
HR-230-32/Az–HR-260-32/AZ





250W Curves





Hareonsolar

Jiangyin Hareon Power Co,. Ltd.

Performance

Warranty	90% power output over 12 years
	80% power output over 25 years
	Free from defects in materials and workmanship for 10 years

Qualification Test

Temperature cycling range	- 40°C to +85°C for 200 cycles
Damp heat test	85°C and 85 relative humidity for 1000 h
Front & rear wind load test	2400 Pa
Front snow load test	5400 Pa
Hot spot free	100% EL inspection before and after lamination

Electrical Characteristics

Cell Type(mm)	125 X 125 Mono Solar Cell						
Item	**HR-230W**	**HR-235W**	**HR-240W**	**HR-245W**	**HR-250W**	**HR-255W**	**HR-260W**
Max power (Wp)	230	235	240	245	250	255	260
Max power voltage (Vm)	48.94	49.06	49.18	49.30	49.31	49.61	49.71
Max power current (Im)	4.70	4.79	4.88	4.97	5.07	5.14	5.25
Open circuit voltage (Voc)	59.48	59.65	59.81	59.98	60.15	60.31	60.49
Short cicuit current (Isc)	5.09	5.17	5.25	5.33	5.43	5.46	5.57
Module eff (%)	13.63	13.93	14.22	14.52	14.82	15.11	15.41
Max series fuse	15 A						
Number of diode	4						
Number of cells	96						
Max system voltage	1000 VDC						
Temperature coefficients of Pm	-0.41%/°C						
Temperature coefficients of Voc	-0.31%/°C						
Temperature coefficients of Isc	0.047 %/°C						
Nominal operating cell temperature	45 °C ± 3 °C						
Output tolerance	0 ~5W, +/ -3%						
Standard test conditions	STC: AM1.5, 1000 W/m², Module Temperature 25 °C						

Mechanical Characteristics

Dimensions (mm)	1580×1068×50
Weight (kg)	21
Solar Cells	96 cells(125 mm x 125 mm) configured geometrically for a 8 x 12 matrix connected in series
Output cables lengths (mm)	900
Cable cross section size (mm²)	4
Construction	Front: High transmission 3.2mm tempered glass. Rear. White backsheet; Encapsulant: EVA.