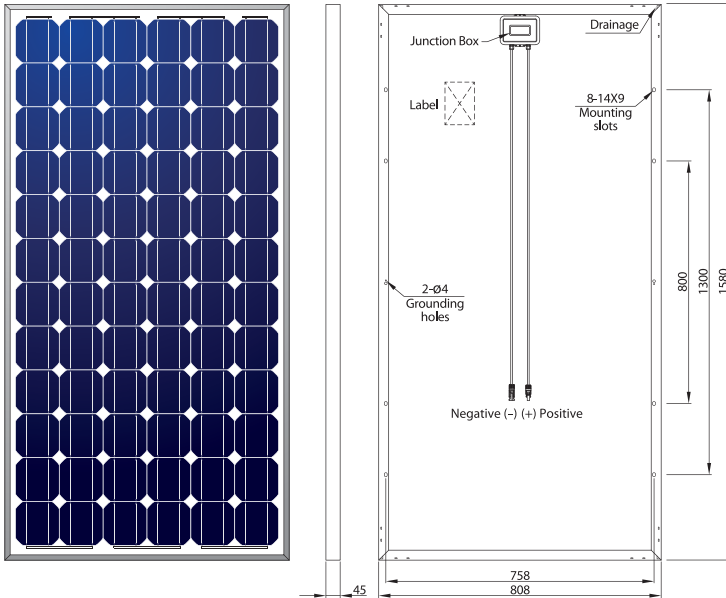


2BB HR-185-24/Aa—HR-205-24/Aa

Mono-Crystalline Silicon Module

Hareon Solar Technology Co., Ltd.

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MECHANICAL PARAMETERS

Cell (mm)	125×125 Mono
Weight (kg)	15.8/16
Dimensions (L×W×H) (mm)	1580×808×40/45
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72(6×12)
No. of Diodes	3

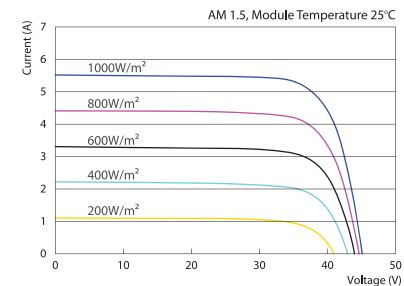
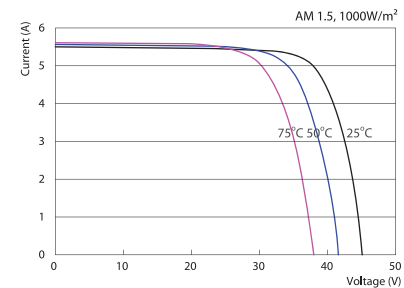
QUALIFICATION

Max. System Voltage	1000VDC
Temperature Cycling Range	-40°C~+85°C
Max. Series Fuse	15 A
Max. Wind Load / Max. Snow Load	2400Pa / 5400Pa
Damp Heat Test	85°C and 85 relative humidity for 1000h
Hot Spot Free	100%EL inspection before and after lamination

ELECTRICAL PARAMETERS

TYPE	HR-185W	HR-190W	HR-195W	HR-200W	HR-205W	
STC AM 1.5, 1000W/m ² , Module Temperature 25°C	Rated Max. Power at STC (W)	185	190	195	200	205
	Max. Power Voltage / Vmp (V)	36.42	36.50	36.94	37.39	37.83
	Max. Power Current / Imp (A)	5.08	5.21	5.28	5.35	5.42
	Open Circuit Voltage / Voc (V)	45.05	45.20	45.28	45.50	45.68
	Short Circuit Current / Isc (A)	5.41	5.53	5.58	5.79	5.90
	Module Efficiency (%)	14.49	14.88	15.27	15.67	16.06
NOCT AM 1.5, 800W/m ² , Ambient Temperature 20°C, Wind Speed 1m/s	Rated Max. Power at NOCT (W)	134.4	137.9	140.3	144.8	148.3
	Max. Power Voltage / Vmp (V)	33.60	33.70	33.80	33.90	34.00
	Max. Power Current / Imp (A)	4.00	4.09	4.15	4.27	4.36
	Open Circuit Voltage / Voc (V)	41.40	41.50	41.60	41.80	42.00
	Short Circuit Current / Isc (A)	4.37	4.47	4.51	4.68	4.76
	Module Efficiency (%)	13.16	13.50	13.74	14.18	14.52
Temperature Coefficient of Pm	-0.41%/°C					
Temperature Coefficient of Voc	-0.31%/°C					
Temperature Coefficient of Isc	+0.047%/°C					
Nominal Operating Cell Temperature	45°C±3°C					
Output Tolerance	0~5W					

200W CURVES



PACKING CONFIGURATION

MODULE SIZE	CONTAINER	20'GP	40'HC
1580×808×40	Pieces Per Pallet	25	25
	Pallets Per Container	12	28
	Pieces Per Container	300	700
	Pieces Per Pallet	22	22
1580×808×45	Pallets Per Container	12	28
	Pieces Per Container	264	616

WARRANTY

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

