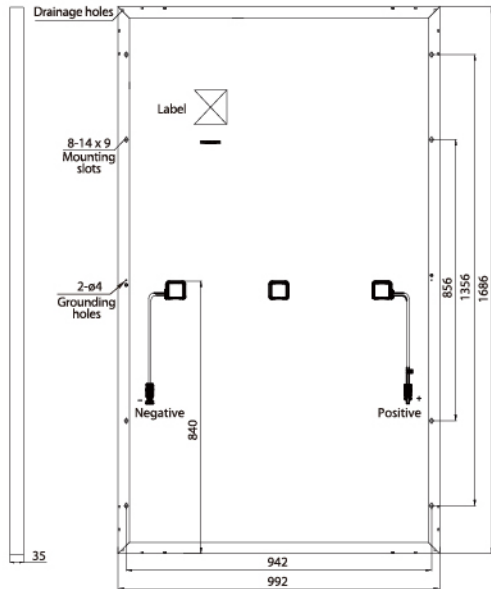
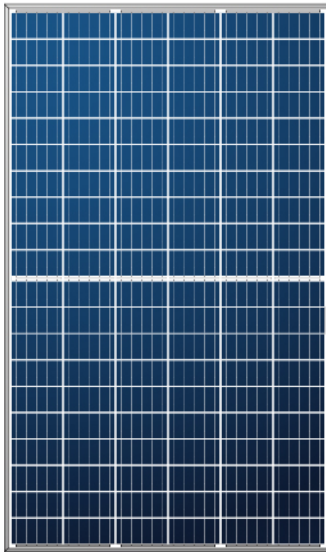


# 5BB HR-270P-18/Bgh—HR-295P-18/Bgh

Multicrystalline Silicon Module

Hareon Solar Technology Co., Ltd.

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## PARAMETERS

Cell (mm)	156.75×78.375 Poly
Weight (kg)	19.2
Dimensions (LxWxH) (mm)	1686×992×35
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells and Connections	120(6×20)
No. of Diodes	3
Max. System Voltage	1000V
Max. Series Fuse	15 A
Max. Wind Load / Max. Snow Load	2400Pa / 5400Pa

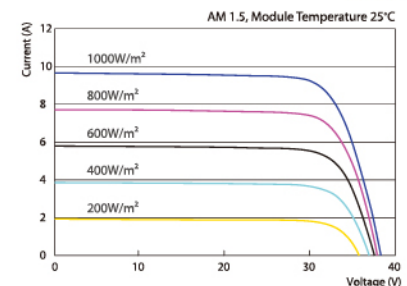
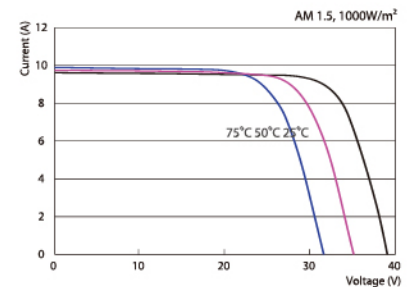
## PRODUCT STANDARD

Product Performance	IEC61215
Product Safety	IEC61730

## ELECTRICAL PARAMETERS

TYPE	HR-270W	HR-275W	HR-280W	HR-285W	HR-290W	HR-295W	
<b>STC</b> AM 1.5, 1000W/m <sup>2</sup> , Module Temperature 25°C	Rated Max. Power at STC (W)	270	275	280	285	290	
	Max. Power Voltage / Vmp (V)	31.85	31.96	32.08	32.21	32.33	32.46
	Max. Power Current / Imp (A)	8.48	8.61	8.73	8.85	8.97	9.09
	Open Circuit Voltage / Voc (V)	37.84	38.07	38.28	38.49	38.70	38.90
	Short Circuit Current / Isc (A)	9.13	9.27	9.38	9.49	9.60	9.71
	Module Efficiency (%)	16.14	16.44	16.74	17.04	17.33	17.63
<b>NOCT</b> AM 1.5, 800W/m <sup>2</sup> , Ambient Temperature 20°C, Wind Speed 1m/s	Rated Max. Power at NOCT (W)	195.4	199.9	202.9	206.9	210.0	214.0
	Max. Power Voltage / Vmp (V)	28.20	28.40	28.50	28.70	28.80	29.00
	Max. Power Current / Imp (A)	6.93	7.04	7.12	7.21	7.29	7.38
	Open Circuit Voltage / Voc (V)	34.30	34.60	34.70	34.90	35.10	35.30
	Short Circuit Current / Isc (A)	7.41	7.53	7.61	7.70	7.79	7.88
	Module Efficiency (%)	14.60	14.94	15.16	15.46	15.69	15.99
Temperature Coefficient of Pm	-0.41%/°C						
Temperature Coefficient of Voc	-0.327%/°C						
Temperature Coefficient of Isc	+0.064%/°C						
Nominal Operating Cell Temperature	45°C±3°C						
Output Tolerance	0~5W						

## 280W CURVES



## PACKING CONFIGURATION

MODULE SIZE	CONTAINER	20'GP	40'HC
1686×992×35	Pieces Per Pallet	31	31
	Pallets Per Container	6	26
	Pieces Per Container	186	806

## LINEAR WARRANTY

- No more than 2.5% peak power degradation in 1st year;
- No more than 0.70% peak power degradation in coming 24 years;
- Free from defects of materials and workmanship for 12 years.

