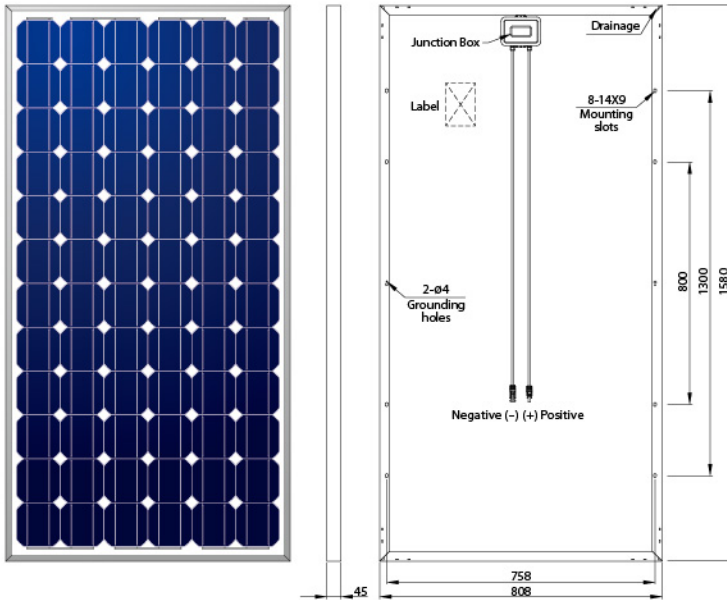


# 2BB HR-180-24/Aa—HR-200-24/Aa

Mono-Crystalline Silicon Module

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## MECHANICAL PARAMETERS

Cell (mm)	125x125 Mono
Weight (kg)	16
Dimensions (LxWxH) (mm)	1580x808x45
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells and Connections	72(6x12)
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-180W	HR-185W	HR-190W	HR-195W	HR-200W	
<b>STC</b>	Rated Max. Power at STC (W)	180	185	190	195	200	
	AM 1.5, 1000W/m <sup>2</sup> , Module Temperature 25°C	Max. Power Voltage / Vmp (V)	36.02	36.42	36.50	36.94	37.39
		Max. Power Current / Imp (A)	5.00	5.08	5.21	5.28	5.35
	Open Circuit Voltage / Voc (V)	44.81	45.05	45.20	45.28	45.50	
	Short Circuit Current / Isc (A)	5.28	5.41	5.53	5.58	5.79	
Module Efficiency (%)	14.10	14.49	14.88	15.27	15.67		
<b>NOCT</b>	Rated Max. Power at NOCT (W)	127	128	134	138	141	
	AM 1.5, 800W/m <sup>2</sup> , Ambient Temperature 20°C, Wind Speed 1m/s	Max. Power Voltage / Vmp (V)	31.54	31.59	31.83	32.41	32.49
		Max. Power Current / Imp (A)	4.03	4.06	4.21	4.25	4.35
	Open Circuit Voltage / Voc (V)	41.35	41.51	41.77	41.85	42.08	
	Short Circuit Current / Isc (A)	4.26	4.30	4.46	4.50	4.67	
Module Efficiency (%)	12.43	12.53	13.12	13.51	13.81		
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					

## 190W CURVES

