



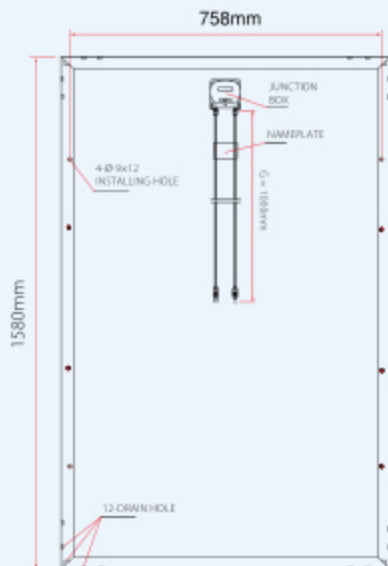
## PRODUCTS

BR-M Series

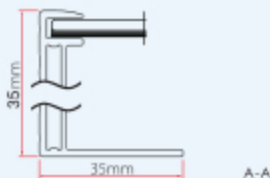
## POWER RANGE

160-200W

## DIMENSIONS OF PV MODULE

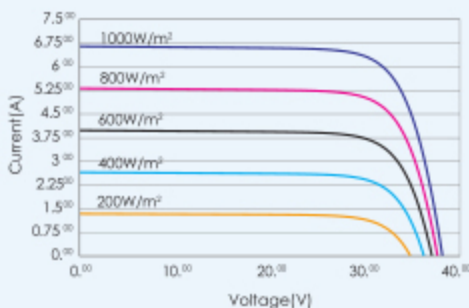


Back View



A-A

## I-V CURVES OF PV MODULE(200W)



## CERTIFICATION



## ELECTRICAL DATA (STC)

	160	170	180	190	200
Peak Power Watts- $P_{MAX}$ (Wp)	160	170	180	190	200
Power Output Tolerance- $P_{MAX}$ (%)	±3%				
Maximum Power Voltage- $V_{MPP}$ (V)	35.2	35.2	35.2	36	36.8
Maximum Power Current- $I_{MPP}$ (A)	4.55	4.83	5.11	5.29	5.47
Open Circuit Voltage- $V_{OC}$ (V)	440	442	44.3	44.7	45.1
Short Circuit Current- $I_{SC}$ (A)	4.92	5.18	5.46	5.82	5.94
Module Efficiency $\eta_m$ (%)	12.5	13.3	14.1	14.9	15.7

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
Typical efficiency reduction of 4.5% at 200 W/m<sup>2</sup> according to EN 60904-1.

## ELECTRICAL DATA (NOCT)

	115	122	130	137	144
Maximum Power- $P_{MAX}$ (Wp)	115	122	130	137	144
Maximum Power Voltage- $V_{MPP}$ (V)	34.5	34.5	34.5	34.5	34.5
Maximum Power Current- $I_{MPP}$ (A)	3.33	3.54	3.77	3.97	4.17
Open Circuit Voltage- $V_{OC}$ (V)	41.5	41.5	41.5	41.5	41.5
Short Circuit Current- $I_{SC}$ (A)	4.04	4.18	4.32	4.46	4.6

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

## MECHANICAL DATA

Solar cells	Monocrystalline 25 × 125 mm (5 inches)
Cell orientation	72 cells (6×12)
Module dimensions	1580 × 808 × 35 mm
Weight	16kg
Glass	High transparency solar glass 3.2 mm
Backsheet	White (CJ125MBW)
Frame	Silver Anodized Aluminium Alloy (CJ125MBW)
J-Box	IP 65 or IP 67 rated
Cables	Photovoltaic Technology cable 4.0 mm <sup>2</sup> , 1000mm
Connector	compliant with MC4 connectors

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (± 2°C) (CJ125MBW)
Temperature Coefficient of $P_{MAX}$	- 0.431%/°C
Temperature Coefficient of $V_{OC}$	- 0.375%/°C
Temperature Coefficient of $I_{SC}$	+ 0.055%/°C

## WARRANTY

10 year Product Workmanship Warranty  
25 year Linear Power Warranty

(Please refer to product warranty for details)

## MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	10A

## PACKAGING CONFIGURATION

Modules per box: 26 pieces  
Modules per 40' container: 728 pieces

