



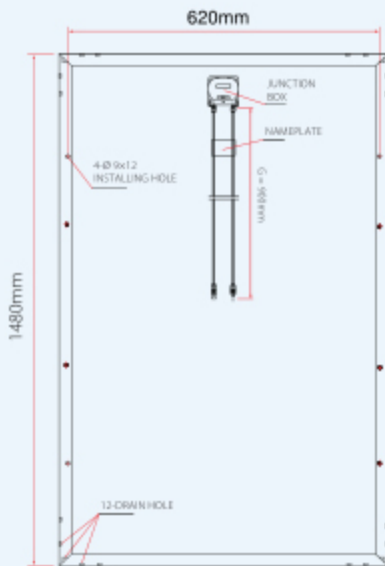
## PRODUCTS

BR-P Series

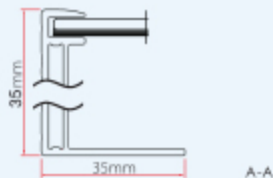
## POWER RANGE

130-150W

## DIMENSIONS OF PV MODULE

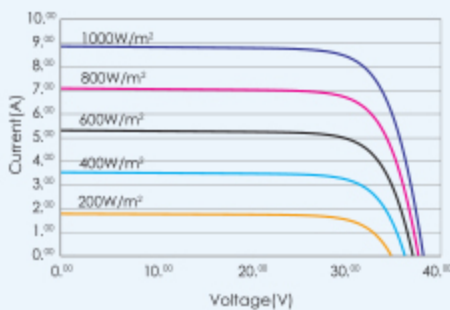


Back View



A-A

## I-V CURVES OF PV MODULE(150W)



## CERTIFICATION



## ELECTRICAL DATA (STC)

	130	135	140	145	150
Peak Power Watts- $P_{MAX}$ (Wp)	130	135	140	145	150
Power Output Tolerance- $P_{MAX}$ (%)	±3%				
Maximum Power Voltage- $V_{MPP}$ (V)	17.2	17.2	17.2	17.2	17.2
Maximum Power Current- $I_{MPP}$ (A)	7.56	7.85	8.14	8.43	8.62
Open Circuit Voltage- $V_{OC}$ (V)	21.6	21.6	21.6	21.6	21.6
Short Circuit Current- $I_{SC}$ (A)	8.02	8.33	8.64	8.85	9.26
Module Efficiency $\eta_m$ (%)	13.1	13.6	14.1	14.6	15.1

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)

	94	97	101	105	108
Maximum Power- $P_{MAX}$ (Wp)	94	97	101	105	108
Maximum Power Voltage- $V_{MPP}$ (V)	16.5	16.5	16.5	16.5	16.5
Maximum Power Current- $I_{MPP}$ (A)	5.69	5.91	6.12	6.34	6.56
Open Circuit Voltage- $V_{OC}$ (V)	19.9	19.9	19.9	19.9	19.9
Short Circuit Current- $I_{SC}$ (A)	5.86	6.10	6.43	6.66	6.89

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

## MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156 mm (6 inches)
Cell orientation	36 cells (4×9)
Module dimensions	1480 × 670 × 35 mm
Weight	12kg
Glass	High transparency solar glass 3.2 mm
Backsheet	White (CJ156PEW)
Frame	Silver Anodized Aluminium Alloy (CJ156PEW);
J-Box	IP 65
Cables	Photovoltaic Technology cable 4.0 mm <sup>2</sup> , 900 mm
Connector	compliant with MC4 connectors

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (± 2°C) (CJ156PEW)
Temperature Coefficient of $P_{MAX}$	-0.488%/°C
Temperature Coefficient of $V_{OC}$	-0.346%/°C
Temperature Coefficient of $I_{SC}$	+0.065%/°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	15A

## PACKAGING CONFIGURATION

Modules per box: 28 pieces and 2 pieces  
Modules per 40' container: 924 pieces

