



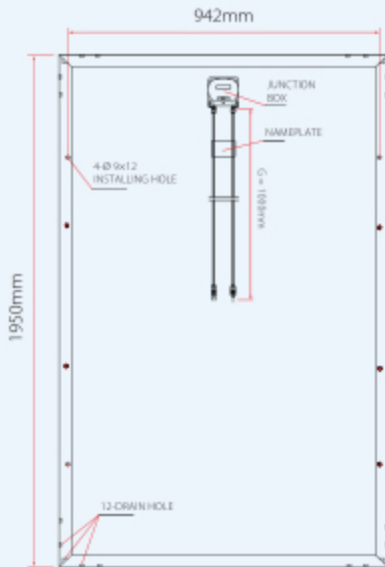
PRODUCTS

BR-M Series

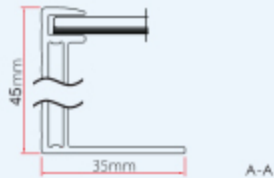
POWER RANGE

250-300W

DIMENSIONS OF PV MODULE

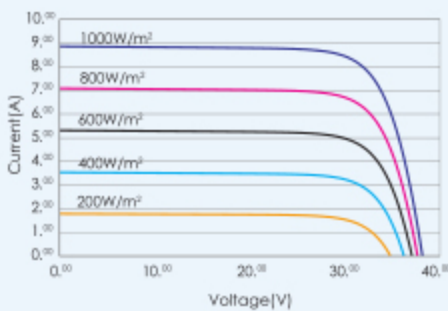


Back View



A-A

I-V CURVES OF PV MODULE(300W)



CERTIFICATION



ELECTRICAL DATA (STC)

	250	260	270	280	300
Peak Power Watts- P_{MAX} (Wp)	250	260	270	280	300
Power Output Tolerance- P_{MAX} (%)	±3%				
Maximum Power Voltage- V_{MPP} (V)	34.6	34.8	35	35.2	35.6
Maximum Power Current- I_{MPP} (A)	7.23	7.47	7.71	7.95	8.43
Open Circuit Voltage- V_{OC} (V)	43.7	44	44.5	44.8	45
Short Circuit Current- I_{SC} (A)	7.89	8.09	8.2	8.33	8.59
Module Efficiency η_m (%)	12.9	13.4	14.0	14.5	15.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Typical efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

ELECTRICAL DATA (NOCT)

	180	187	194	202	216
Maximum Power- P_{MAX} (Wp)	180	187	194	202	216
Maximum Power Voltage- V_{MPP} (V)	33.1	33.5	33.9	34.3	34.7
Maximum Power Current- I_{MPP} (A)	5.44	5.58	5.72	5.89	6.23
Open Circuit Voltage- V_{OC} (V)	39.9	40.3	40.7	41.1	41.5
Short Circuit Current- I_{SC} (A)	6.03	6.22	6.41	6.60	6.80

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Monocrystalline 56 × 156 mm (6 inches)
Cell orientation	72 cells (6 × 12)
Module dimensions	1950 × 992 × 45 mm
Weight	20kg
Glass	High transparency solar glass 3.2 mm
Backsheet	White (CJ156MBW)
Frame	Silver Anodized Aluminium Alloy (CJ156MBW)
J-Box	IP 65 or IP 67 rated
Cables	Photovoltaic Technology cable 4.0 mm ² , 1000mm
Connector	compliant with MC4 connectors

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (± 2°C) (CJ156MBW)
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: 22 pieces and 2 pieces
Modules per 40' container: 528 pieces

