



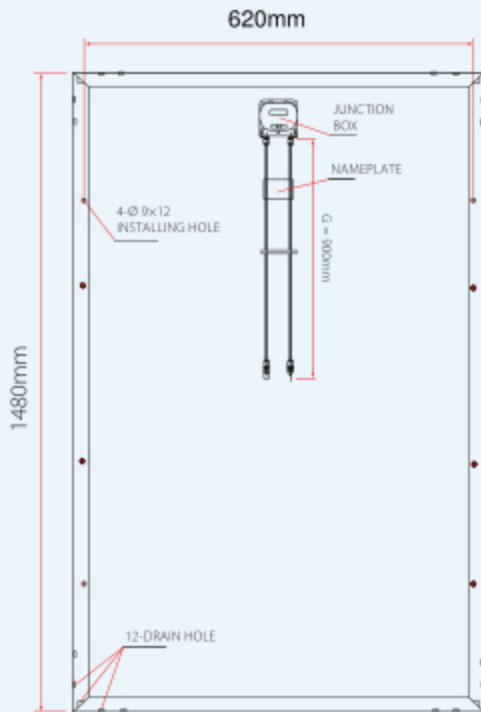
PRODUCTS

BR-M Series

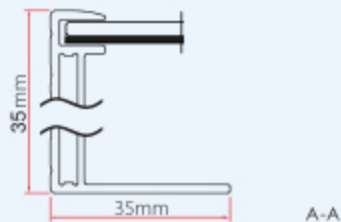
POWER RANGE

130-150W

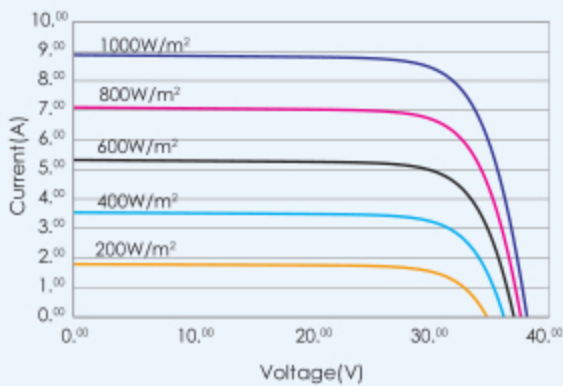
DIMENSIONS OF PV MODULE



Back View



I-V CURVES OF PV MODULE(150W)



CERTIFICATION



ELECTRICAL DATA (STC)

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 η_m (%)	13.1	13.6	14.1	14.6	15.1

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)

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/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Monocrystalline 156 × 156 mm (6 inches)
Cell orientation	36 cells (4x9)
Module dimensions	1480 × 670 × 35 mm
Weight	12kg
Glass	High transparency solar glass 3.2 mm
Backsheet	White (CJ156MEW)
Frame	Silver Anodized Aluminium Alloy (CJ156MEW)
J-Box	IP 65
Cables	Photovoltaic Technology cable 4.0 mm ² , 900 mm
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: 28 pieces and 2 pieces
Modules per 40' container: 924 pieces

