



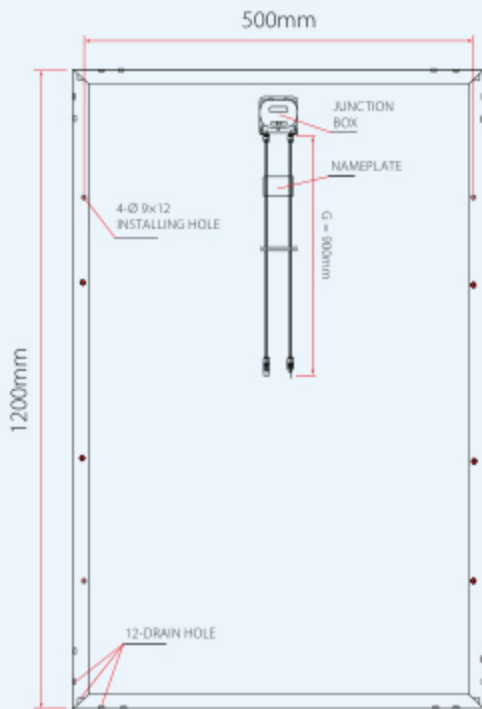
PRODUCTS

BR-M Series

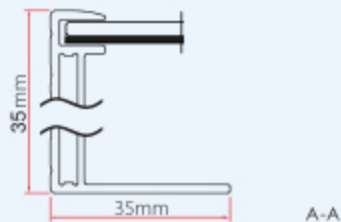
POWER RANGE

80-100W

DIMENSIONS OF PV MODULE

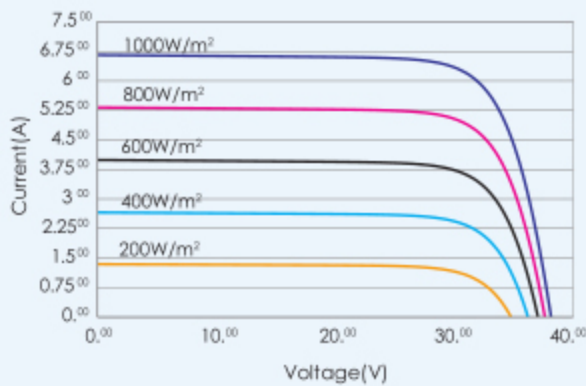


Back View



A-A

I-V CURVES OF PV MODULE(100W)



CERTIFICATION



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)	80	85	90	95	100
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)	4.65	4.94	5.23	5.52	5.81
Open Circuit Voltage- V_{OC} (V)	21.6	21.6	21.6	21.6	21.6
Short Circuit Current- I_{SC} (A)	4.94	5.25	5.56	5.86	6.17
Module Efficiency η_m (%)	12.1	12.9	13.6	14.4	15.2

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)	58	62	66	69	73
Maximum Power Voltage- V_{MPP} (V)	16.5	16.5	16.5	16.5	16.5
Maximum Power Current- I_{MPP} (A)	3.50	3.72	3.94	4.15	4.37
Open Circuit Voltage- V_{OC} (V)	19.9	19.9	19.9	19.9	19.9
Short Circuit Current- I_{SC} (A)	3.83	4.07	4.31	4.55	4.79

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

MECHANICAL DATA

Solar cells	Monocrystalline 125 × 125 mm (5 inches)
Cell orientation	36 cells (4×9)
Module dimensions	1200 × 550 × 35 mm
Weight	9kg
Glass	High transparency solar glass 3.2 mm
Backsheet	White (CJ125MEW)
Frame	Silver Anodized Aluminium Alloy (CJ125MEW)
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) (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:	28 pieces
Modules per 40' container:	1512 pieces

