Monocrystalline 144 cells

JUPITER



M6 166
9BB

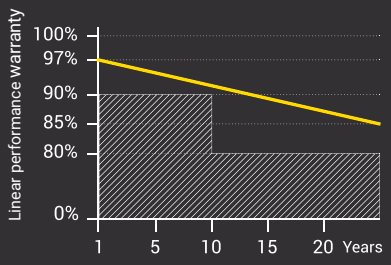
Guaranteed positive output
selection 0 ~ +5 Wp
by single measuring

3.2 mm anti-reflective glass

Maximum stability through
aluminium soft grip frame

Maximum 5400 Pa snow load

15 years manufacturer's warranty
25 years linear performance guarantee



BLACK | WHITE

OUTPUT: 450 - 460 WATT

JUPITER monocrystalline 144 halfcut cell series with multibusbar M6 cells is the newest top efficiency series. Halfcut cells are split in two halves to improve the performance and they are arranged in two parallel strings for a better management of shading. Featuring a 35 mm black anodized aluminium frame, JUPITER series can combine high robustness and visual attractiveness to conversion efficiency over 21 %.

EXE®

power for a better world

STC	A-HCM450/144	A-HCM460/144
Maximum Power (Pmax) (W)	450	460
Open Circuit Voltage (Voc) (V)	50.22	50.70
Short Circuit Current (Isc) (A)	11.48	11.63
Voltage at Maximum Power (Vmpp) (V)	41.40	41.80
Current at Maximum Power (Impp) (A)	10.87	11.01
Module Efficiency (%)	20.70	21.16

STC (Standard Testing Condition): Irradiance 1000 W/m², Cell Temperature 25 ºC, Spectra at AM 1.5; Test uncertainity tolerance for Pmax, Voc and Isc: ±3 %

Electrical Parameters at NOCT	A-HCM450/144	A-HCM460/144
Maximum Power (Pmax) (W)	334	342
Open Circuit Voltage (Voc) (V)	46.84	47.30
Short Circuit Current (Isc) (A)	9.26	9.40
Voltage at Maximum Power (Vmpp) (V)	38.27	38.64
Current at Maximum Power (Impp) (A)	8.73	8.86

NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², Ambient Temperature 20 ºC, Spectra at AM 1.5, Wind at 1 m/s

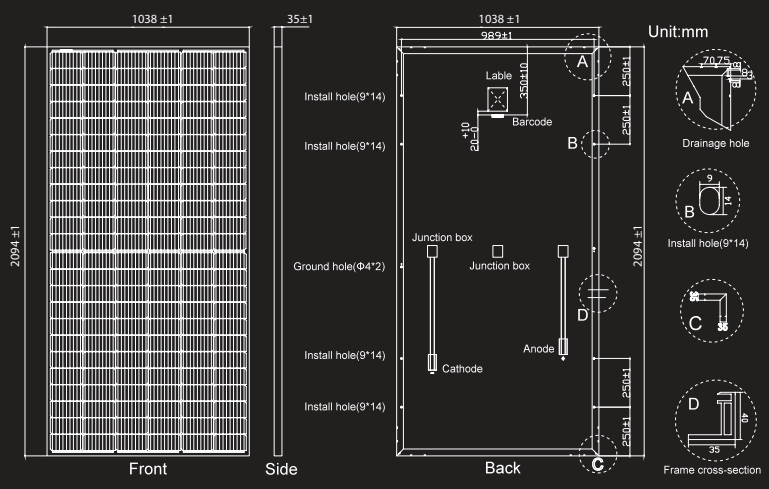
Temperature Characteristics	
Pmax Temperature Coefficients (W / °C)	-0.37 % / °C
Voc Temperature Coefficients (V / °C)	-0.28 % / °C
Isc Temperature Coefficients (A / °C)	+0.05 % / °C
NMOT Nominal Operating Cell Temperature (°C)	45 ±2 °C

Operating Conditions	
Operating Module Temperature	-40 °C ~ +85 °C
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	30 A
Selection	0 ~ +5 W
Nominal Front Load	5400 Pa
Nominal Rear Load	2400 Pa
Class of Protection	II

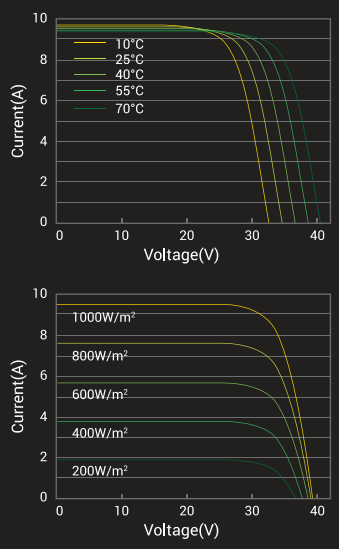
Specifications	
Cell Type	Mono M6 166 9BB
Weight	23.5 kg ±3 %
Dimensions	2094x1038x35 mm (±0.7 %)
Cable Cross Section Size	4 mm², cable approx 130 cm, QC4 compatible
No. of cells	144 (6x24)
Junction Box	IP67, 3 diodes
Frame	Black anodized aluminium
Front glass	3.2 mm high transmission, low iron, tempered glass

Packing Details	
Container Type	40'HC
No. of Pallets	22
Pieces per Pallet	31
Total quantity of modules	682

(2094x1038x35)



I-V Curve: (A-HCM460)



CE

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Due to continuous innovation and improvement, technical data are subject to change without prior notice.
Measurement tolerances ±3 %