

M10



Guarantee on product material and workmanship



Linear power output warranty

NB108M-M10P-A(400~420) Solar Cells With PERC Technology High Efficiency MONO Solar Module

Excellent technical advantages and system design scheme to achieve high reliability, power generation effective gain and EPC cost reduction. Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for industrial and commercial and centralized ground power stations.



Mono MBB half cut technology



Production process reliability test



3 times EL test to ensure best quality



Competitive low light performance



Less mismatch to get more power



Less power loss by minimizing the shading impact

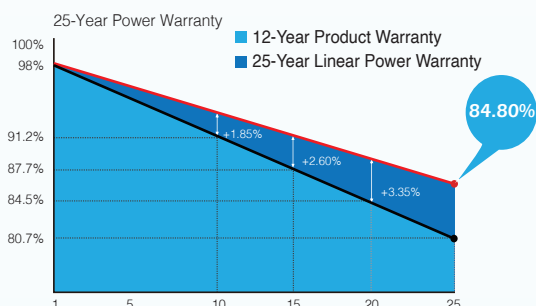


Ideal choice for utility and commercial scale projects by reduced BOS and improved ROI



Outstanding reliability proven by PVEL for stringent environment condition: Sand, Acid, Salt, Hailstones Anti-PID

QUALITY ASSURANCE



CERTIFICATION



TUV: IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016 / ISO 9001:2015
GB/T 24001-2016 / ISO 14001:2015
CHSAS: 18001:2007
CNAS-CL01: ISO/IEC 17025:2017



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NB108M-M10P-A

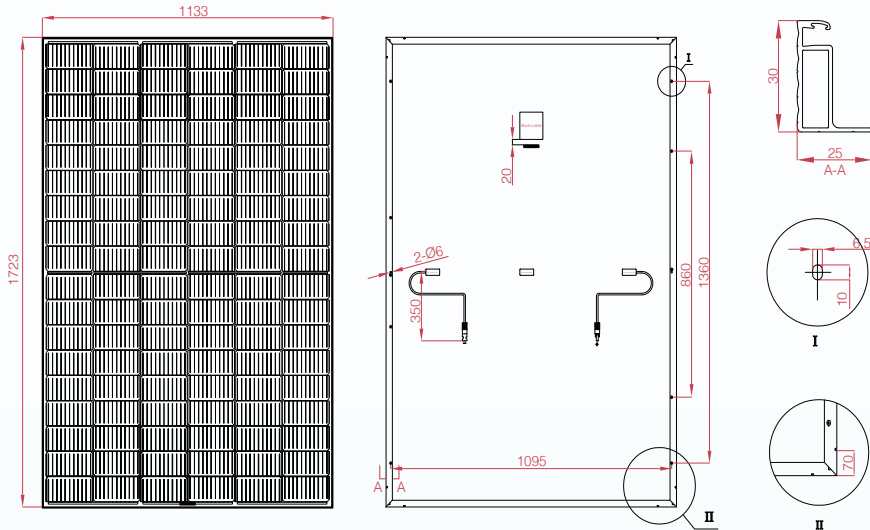
M10-108 Half-Cut Cell | MBB Mono PERC | White Back Sheet

ELECTRICAL PARAMETERS

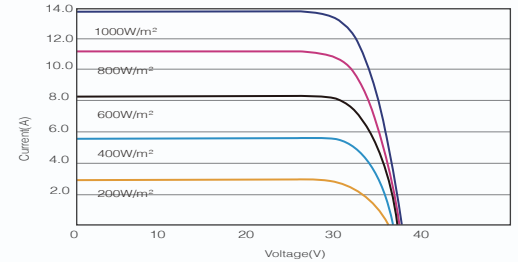
* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

Module Type	NB108M-M10P-	A400	A405	A410	A415	A420
STC AM1.5, 1000W/m ² Cell Temperature 25°C	Max. Power at STC (P _{mp} /W)	400	405	410	415	420
	Output Tolerance (W)	0-+5	0-+5	0-+5	0-+5	0-+5
	Max. Power Voltage (V _{mp} /V)	30.55	30.74	30.93	31.12	31.31
	Max. Power Current (I _{mp} /A)	13.1	13.17	13.26	13.34	13.42
	Open Circuit Voltage (V _{oc} /V)	37.01	37.24	37.47	37.70	37.93
	Short Circuit Current (I _{sc} /A)	13.79	13.86	13.96	14.04	14.13
	Module Efficiency (%)	20.5	20.75	21.01	21.26	21.52
NOCT AM1.5, 800W/m ² Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NOCT (P _{mp} /W)	297.69	301.41	305.13	308.86	312.58
	Max. Power Voltage (V _{mp} /V)	28.42	28.60	28.78	28.95	29.13
	Max. Power Current (I _{mp} /A)	10.48	10.49	10.60	10.67	10.73
	Open Circuit Voltage (V _{oc} /V)	34.93	35.15	35.37	35.58	35.80
	Short Circuit Current (I _{sc} /A)	11.13	11.15	11.27	11.34	11.41

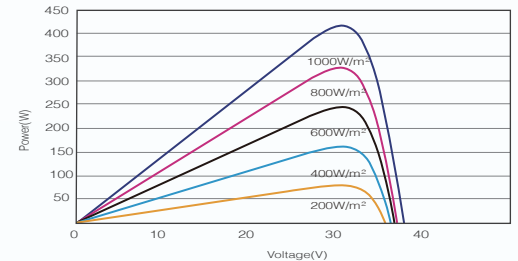
DIMENSIONS OF PV MODULE



I - V CURVES OF PV MODULE



P - V CURVES OF PV MODULE



MECHANICAL DATA

Solar Cells (mm)	182 x 91mm Mono PERC	NMOT	45°C (±2°C)
Cell Orientation	108 Cells (6x18)	Temperature Coefficient of P _{max}	-0.348%/°C
Module Dimensions (L*W*H)	1723x1133x30mm	Temperature Coefficient of V _{oc}	-0.282%/°C
Weight (Kg)	20 kg	Temperature Coefficient of I _{sc}	+0.05%/°C
Glass	3.2mm low-iron tempered suede glass	MAXIMUM RATING	
Backsheet	White	Operational Temperature (°C)	-40°C to +85°C
Frame	Silver anodized aluminum alloy	Maximum System Voltage (VDC)	1500
J-Box	IP68, 3 bypass diodes	Max Series Fuse Rating (A)	25
Cables	Length 350mm, 1x4.0mm ²	Mechanical Load Front (Pa)	5,400
Connector	4mm ² , EVO2 or EVO2 compatible	Mechanical Load Back (Pa)	2,400

PACKING CONFIGURATION

Module per box: 36 Pieces

MODULE PER CONTAINER

936 Pieces

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCTS.

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