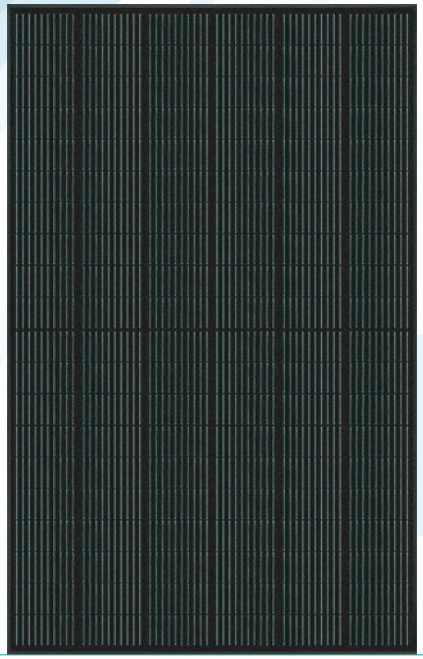
NBS
New Best Solution
NBS ENERGY GROUP CO., LTD.



M6

12 YEARS Guarantee on product material and workmanship

25 YEARS Linear power output warranty

Full Black Module

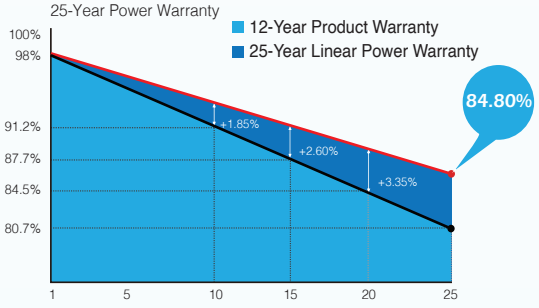
NB120M-M6P-FB(340~355)

Solar Cells With PERC Technology
High Efficiency MONO Solar Module

The product adopts MBB high efficiency PERC cell combined with half cut. It can cope with the rising efficiency and diversification demand of residential roofs, industrial and commercial roofs, and large 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
- PVEL — 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

NBS ENERGY GROUP CO., LTD.
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On-grid commerical industrial roof-tops

On-grid residential roof-tops

NB120M-M6P-FB

M6-120 Half-Cut Cell | MBB Mono PERC | Full Black Module

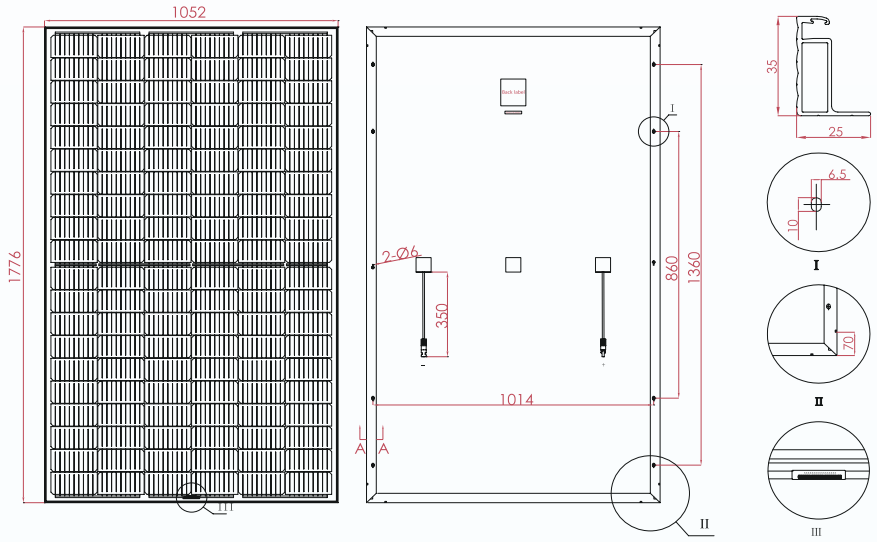
NBS ENERGY GROUP CO., LTD.

ELECTRICAL PARAMETERS

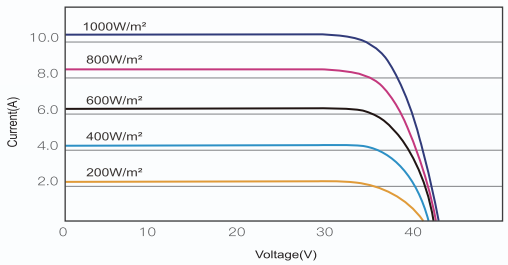
* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

Module Type	NB120M-M6P-	FB340	FB345	FB350	FB355
STC AM1.5, 1000W/㎡ Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	340	345	350	355
	Output Tolerance (W)	0-+5	0-+5	0-+5	0-+5
	Max. Power Voltage (Vmp/V)	32.89	33.09	33.29	34.49
	Max. Power Current (Imp/A)	10.34	10.43	10.52	10.61
	Open Circuit Voltage (Voc/V)	40.03	40.28	40.52	40.72
	Short Circuit Current (Isc/A)	10.85	10.94	11.04	11.12
	Module Efficiency (%)	18.2	18.47	18.74	19.01
NOCT AM1.5, 800W/㎡ Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NOCT (Pmpp/W)	251.79	255.49	259.19	262.89
	Max. Power Voltage (Vmp/V)	30.41	30.6	30.78	30.88
	Max. Power Current (Imp/A)	8.28	8.34	8.42	8.48
	Open Circuit Voltage (Voc/V)	37.32	37.56	37.78	37.97
	Short Circuit Current (Isc/A)	8.72	8.79	8.87	8.93

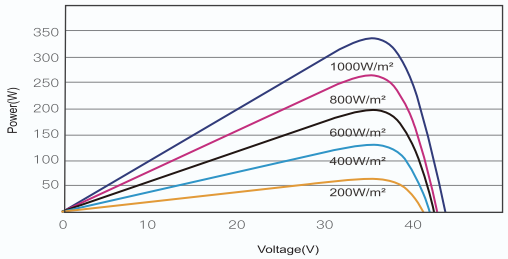
DIMENSIONS OF PV MODULE



I -V CURVES OF PV MODULE



P - V CURVES OF PV MODULE



MECHANICAL DATA

Solar Cells (mm)	166 x 83 Mono PERC
Cell Orientation	120 Cells (6 x 20)
Module Dimensions (L*W*H)	1776 x 1052 x 35mm
Weight (Kg)	20 kg
Glass	3.2 mm coated tempered glass
Backsheet	Black
Frame	Black anodized aluminum alloy
J-Box	IP68, 3 bypass diodes
Cables	Length 350mm, 1x4.0mm㎡
Connector	MC4 and MC4 Compatible

TEMPERATURE RATINGS

NMOT	45°C (±2°C)
Temperature Coefficient of Pmax	-0.365%/°C
Temperature Coefficient of Voc	-0.285%/°C
Temperature Coefficient of Isc	+0.055%/°C

MAXIMUN RATING

Operational Temperature (°C)	-40°C to +85°C
Maximum System Voltage (VDC)	1500
Max Series Fuse Rating (A)	20
Mechanical Load Front (Pa)	5,400
Mechanical Load Back (Pa)	2,400

PACKING CONFIGURATION	Module per box: 31 Pieces	MODULE PER CONTAINER	858 Pieces

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