

Warranty:
 Manufacturing 10 years
 Power Production: 90% -12 years
 80% -25 years



High Performance 36 Cell Monocrystalline 156x156mm Solar Photovoltaic Module Model Number: NB125M to NB145M / Power Range: 125Wp to 145Wp

Typical Electrical Characteristics

Model Number	Unit	NB125M	NB130M	NB135M	NB140M	NB145M
Rated Maximum Power-Pmax	WP	125	130	135	140	145
Power Tolerance	%	± 3	± 3	± 3	± 3	± 3
Maximum Power Voltage-Vmp	V	17.8	18.0	18.2	18.4	18.6
Maximum Power Current-Imp	A	7.05	7.20	7.40	7.60	7.80
Open Circuit Voltage-Voc	V	21.5	21.7	21.9	22.1	22.3
Short Circuit Current-Isc	A	7.60	7.80	8.00	8.20	8.40
Maximum System Voltage-VDC	V	1000				
Encapsulated Solar Cell Efficiency	%	14.7	15.3	15.9	16.4	17.0
Module Efficiency	%	12.4	12.9	13.4	13.9	14.4
Solar Cell and Configuration	mm	36 cells (156mm x 156mm) in a 4 x 9 matrix connected in series				
Solar Cell Technology & Size		Monocrystalline 156 x 156				
Junction Box		IP65, 1000VDC, TUV Certified				
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes				
Maximum Series Fuse Rating	A	14				
Temperature coefficient of Power	%/°C	-0.45				
Temperature coefficient of Voc	%/°C	-0.35				
Temperature coefficient of Isc	%/°C	0.05				
Nominal Operating Cell Temperature-	°C	45± 2				
Standard Test Conditions	STC	STC:AM=1.5, 1000W/m ² , Cells Temperature 25°C				
Operating Temperature	°C	-40 ~ +85				
Product Certifications		IEC 61215, IEC 61730 & CE				

Note: This publication summarizes product warranty and specifications, which are subject to change without notice. Additional information may be found on our website: www.nbsenergy.com

Mechanical & Packaging Characteristics

Dimension A*B*C	mm	1492 * 674 * 40
Installation Hole Dimension E*F	mm	894 * 619
Weight	Kg	13
Number of Draining Holes in Frame		8
Construction		Super Strate: High transmission 3.2mm tempered ;pw orpm glass; Substrate; White Backsheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminum alloy type 6063T5; Color: Silver
Packing Configuration and Quantity per Pallet		2PCs per carton and 20 carton per pallet
Container Loading Capacity		920PCs per 40ft Container ; 440PCs per 20ft Container