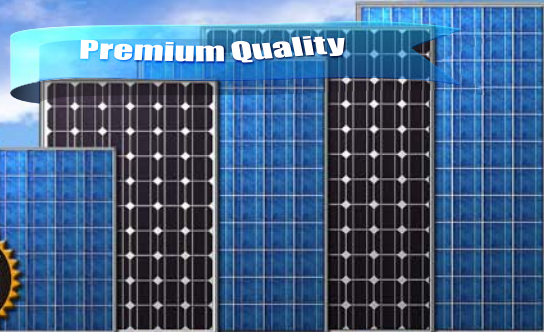


Warranty:  
 Manufacturing 10 years  
 Power Production: 90% -12 years  
 80% -25 years



## High Performance 36 Cell Monocrystalline 125x125mm Solar Photovoltaic Module

Model Number: NB75M to NB95M / Power Range: 75Wp to 95Wp

### Typical Electrical Characteristics

Model Number	Unit	NB75M	NB80M	NB85M	NB90M	NB95M
Rated Maximum Power-Pmax	WP	75	80	85	90	95
Power Tolerance	%	± 5	± 5	± 5	± 5	± 5
Maximum Power Voltage-Vmp	V	17.4	17.6	17.9	18.3	18.8
Maximum Power Current-Imp	A	4.31	4.55	4.76	4.92	5.06
Open Circuit Voltage-Voc	V	21.2	21.5	21.9	22.2	22.5
Short Circuit Current-Isc	A	5.05	5.15	5.25	5.3	5.35
Maximum System Voltage-VDC	V	1000				
Encapsulated Solar Cell Efficiency	%	14.0	15.0	15.9	16.8	17.0
Module Efficiency	%	11.4	12.2	13.0	13.7	14.7
Solar Cell and Configuration	mm	36 cells (125mm x 125mm) in a 4 x 9 matrix connected in series				
Solar Cell Technology & Size		Monocrystalline 125 x 125				
Junction Box		IP65, 1000VDC, TUV Certified				
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes				
Maximum Series Fuse Rating	A	9				
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 <sup>2</sup> , 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](http://www.nbsenergy.com)

### Mechanical & Packaging Characteristics

Dimension A*B*C	mm	1200 * 540 * 40
Installation Hole Dimension E*F	mm	720 * 503
Weight	Kg	7.5
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		26PCs per carton One carton per Pallet
Container Loading Capacity		936PCs per 40ft Container ; 416PCs per 20ft Container