

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



High Performance 36 Cell Monocrystalline 31.25 x 62.5mm Solar Photovoltaic Module
Model Number: NB10M / Power Range: 10Wp

Typical Electrical Characteristics

Model Number	Unit	NB10M
Rated Maximum Power-Pmax	WP	10
Power Tolerance	%	± 5
Maximum Power Voltage-Vmp	V	18.0
Maximum Power Current-Imp	A	0.56
Open Circuit Voltage-Voc	V	22.5
Short Circuit Current-Isc	A	0.62
Maximum System Voltage-VDC	V	7.15
Encapsulated Solar Cell Efficiency	%	15.0
Module Efficiency	%	9.2
Solar Cell and Configuration	mm	36 cells (31.25mm x 62.5mm) in a 4 x 9 matrix connected in series
Solar Cell Technology & Size		Monocrystalline 31.25mm x 62.5mm
Junction Box		IP65, 1000VDC, TUV Certified
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes
Maximum Series Fuse Rating	A	1
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	357 * 303 * 40
Installation Hole Dimension E*F	mm	248 * 214
Weight	Kg	1.5
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		2PCs per carton, 345PCs/Pallet
Container Loading Capacity		6555PCs per 40ft Container, 864PCs per 20ft Container