

High Performance 72 Cell Mono crystalline 125x125mm Solar Photovoltaic Module

Model Number: CNPV-190MB to CNPV-200MB / Power Range: 190Wp to 200Wp

Typical Electrical Characteristics

Model Number	UOM	CNPV-190MB	CNPV-195MB	CNPV-200MB
Rated Maximum Power-Pmax	Wp	190	195	200
Power Tolerance	%	0/+3	0/+3	0/+3
Maximum Power Voltage-Vmp	V	37.8	37.9	38.0
Maximum Power Current-Imp	A	5.05	5.15	5.25
Open Circuit Voltage-Voc	V	45.1	45.2	45.3
Short Circuit Current-Isc	A	5.55	5.60	5.65
Maximum System Voltage-VDC	V	1000		
Encapsulated Solar Cell Efficiency- η_c	%	17.0	17.5	17.9
Module Efficiency- η_m	%	14.9	15.2	15.6
Solar Cell and Configuration		72 cells (125x125 mm/5"x5") in a 6x12 matrix connected in series		
Solar Cell Technology & Size	mm	Mono Crystalline 125x125(5"x5")		
Cable Type,Diameter		4mm ² (12AWG),TÜV certified		
Type of Connector		IP67,Type IV		
Junction Box		IP65,1000VDC, TÜV&UL Certified		
Number of Bypass Diodes & Type		3 Nos, Schottky By-pass diodes		
Maximum Series Fuse Rating	A	10		
Temperature coefficient of Power	%/°C	- 0.40%/°C(-0.22%/°F)		
Temperature coefficient of Voc	%/°C	- 0.30%/°C(-0.17%/°F)		
Temperature coefficient of Isc	%/°C	0.05%/°C(0.028%/°F)		
Nominal Operating Cell Temperature-NOCT	°C	45± 2°C(113±3.6°F)		
Standard Test Conditions	STC	STC:AM=1.5, 1000W/m ² , Cells Temperature 25°C(77°F)		
Operating Temperature	°C	-40~+85°C (-40~+185°F)		
Product Certifications		IEC61215, IEC61730, UL1703 & CE		

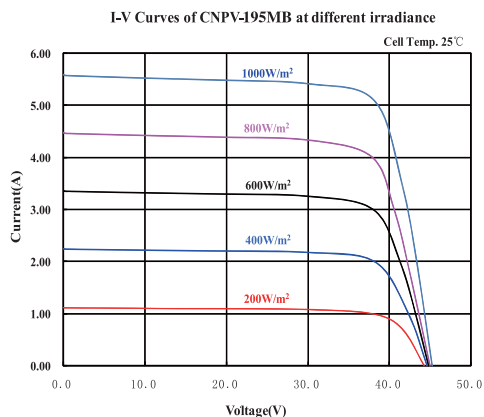
Mechanical & Packaging Characteristics

Dimensions A×B×C	mm	1581×809×40mm(62.24"×31.85"×1.57")
Installation Hole Dimensions E×F	mm	948×754mm(37.32"×29.69")
Cable Length G	mm	900mm(35.43")
Weight	Kg	15Kg(33lb)
Number of Draining Holes in Frame		12
Construction		Superstrate:High transmission 3.2mm tempered low iron glass; Substrate:Black Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminium alloy type 6063T5; Color:black
Packing Configuration and Quantity per Pallet		24 pcs per carton and one carton per pallet
Container Loading Capacity		672 pcs per 40 ft cubic container;288 pcs per 20 ft cubic container

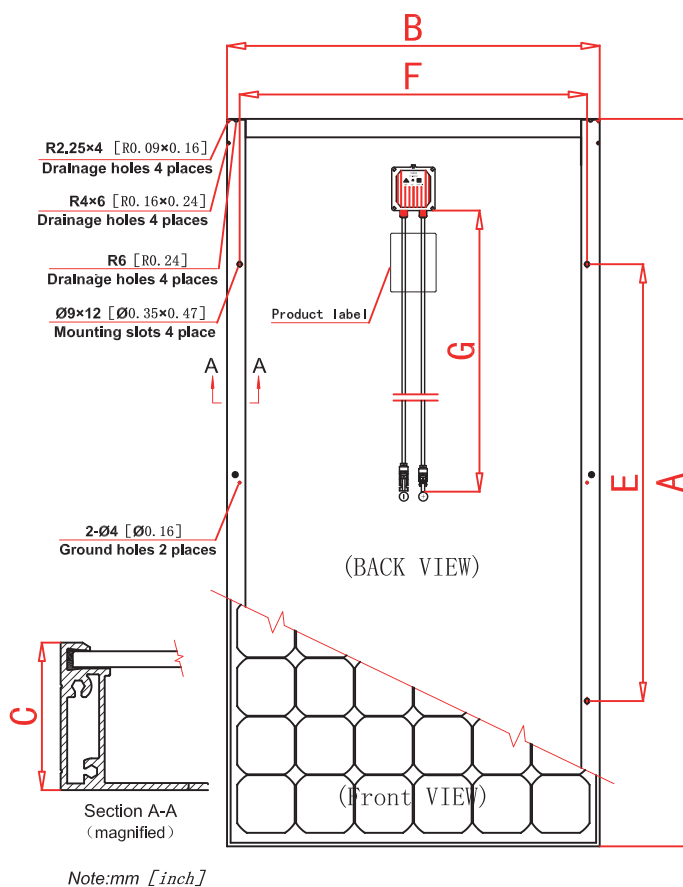
High Performance Mono Crystalline SPV Module



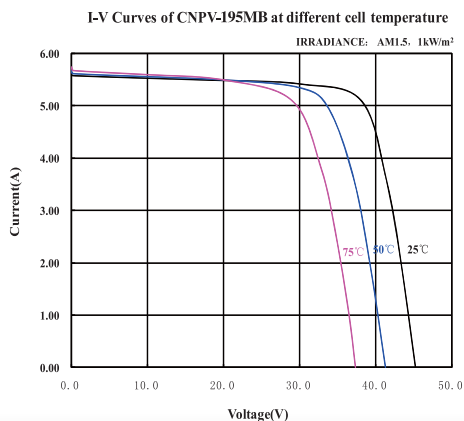
I-V Characteristics at Different Irradiance



Dimensional Characteristics



I-V Characteristics at Different Temperature



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

SALIENT FEATURE

- 3% Positive Tolerance
- ARC Glass
- 78% Fill Factor
- Triple Busbar
- Larger Diameter
- Cell & Module Matching
- Smart Junction Box
- 100% Electro Luminescence
- Unique Frame
- Mechanical Strength-8000 Pa
- International Bankability
- Degradation Resistance
- 10 years Workmanship Warranty
- 25 years True Linear Warranty

CERTIFICATIONS

