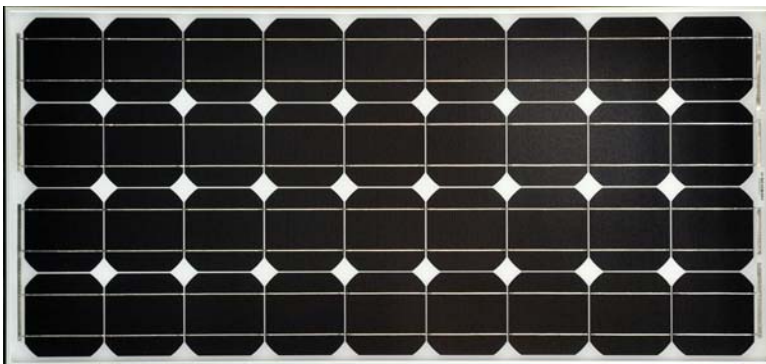


Typical Electrical Characteristics

Model Number	UOM	CNPV-90M	CNPV-95M	CNPV-100M	CNPV-105M
Rated Maximum Power-Pmax	Wp	90	95	100	105
Maximum Power Voltage-Vmp	V	18.3	18.8	19.0	19.1
Maximum Power Current-Imp	A	4.92	5.06	5.25	5.50
Open Circuit Voltage-Voc	V	22.2	22.5	22.7	22.8
Short Circuit Current-Isc	A	5.30	5.35	5.50	5.70
Maximum System Voltage-VDC	V	1000	1000	1000	1000
Encapsulated Solar Cell Efficiency-ηc	%	16.1	17.0	17.9	18.8
Solar Cell and Configuration		36 cells in a 4×9 matrix connected in series			
Solar Cell Technology & Size	mm	Mono Crystalline 125×125 mm			
Junction Box		IP65, 1000VDC, TÜV Certified			
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes			
Maximum Series Fuse Rating	A	10			
Temperature coefficient of Power	%/°C	-0.40			
Temperature coefficient of Voc	%/°C	-0.30			
Temperature coefficient of Isc	%/°C	0.05			
Nominal Operating Cell Temperature-NOCT	°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		IEC61215, IEC61730 & CEC LISTED			



CNPV-90M/95M/100M/105M

SALIENT FEATURES

- 3% Positive Tolerance**
- Superior Packing Density**
- 100% Electro Luminescence**
- Unique Frame**
- PID Free**
- Mechanical Strength-8000 Pa**
- International Bankability**
- 5 years Workmanship Warranty**
- 20 years Power Warranty**

CERTIFICATIONS



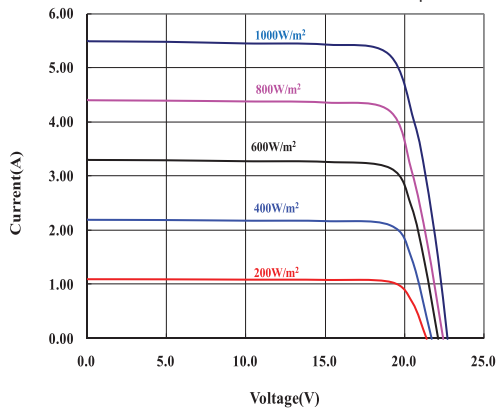
High Performance Mono Crystalline SPV Module

Mechanical & Packaging Characteristics

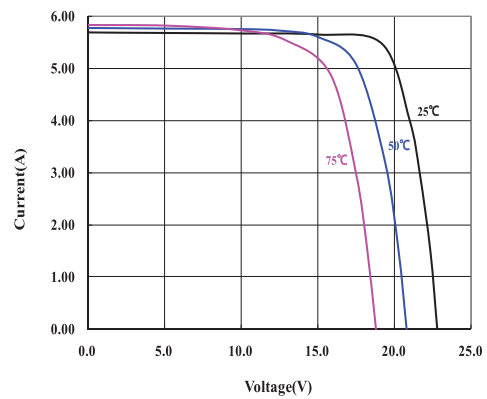
Dimensions AxBxC	mm	1200x540x35
Installation Hole Dimension ExF	mm	720x495
Weight	Kg	8.5
Number of Draining Holes in the Frame		4
Construction		Superstrate: High transmission 3.2mm tempered low iron glass; Substrate:White Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminium alloy type 6063T5; Color:silver
Packing Configuration and Quantity per Pallet		1 pcs per carton and 44 pcs/pallet
Container Loading Capacity		1584 pcs per 40 ft container; 528 pcs per 20 ft container

I-V Characteristics at different Irradiances and Temperatures

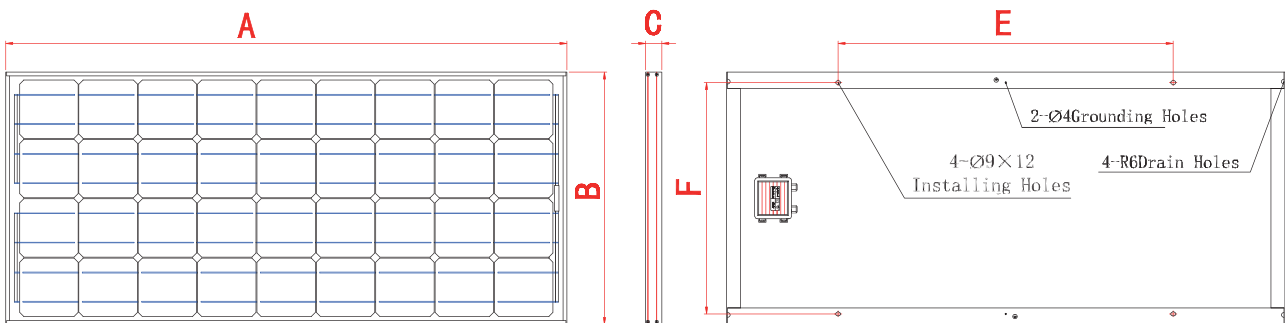
I-V Curves of CNPV-100M at different Irradiances
Cell Temp.:25°C



I-V Curves of CNPV-100M at different cell Temperatures
IRRADIANCE: AM 1.5,1000W/m²



Dimensional Characteristics



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