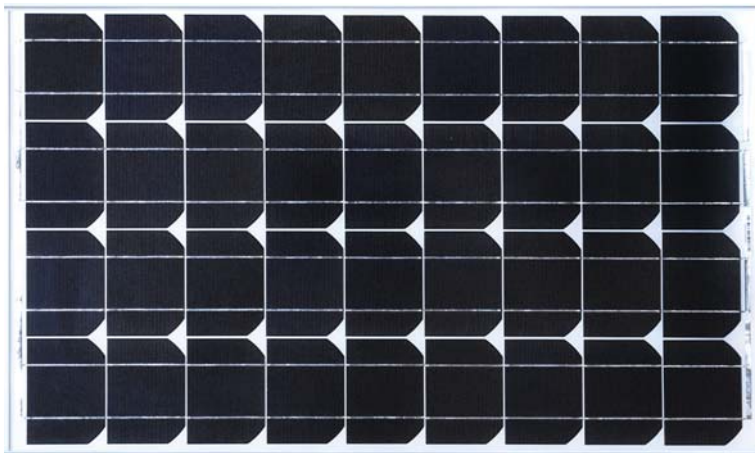


## Typical Electrical Characteristics

Model Number	UOM	CNPV-60M	CNPV-70M	CNPV-75M	CNPV-80M
Rated Maximum Power-Pmax	<b>Wp</b>	<b>60</b>	<b>70</b>	<b>75</b>	<b>80</b>
Maximum Power Voltage-Vmp	V	18.0	18.2	18.5	19.0
Maximum Power Current-Imp	A	3.33	3.84	4.06	4.20
Open Circuit Voltage-Voc	V	22.5	22.8	22.8	22.9
Short Circuit Current-Isc	A	3.70	4.22	4.35	4.40
Maximum System Voltage-VDC	V	1000	1000	1000	1000
Encapsulated Solar Cell Efficiency-ηc	%	14.4	16.7	17.9	19.1
Solar Cell and Configuration		36 cells in a 4×9 matrix connected in series			
Solar Cell Technology & Size	mm	Mono Crystalline 93.75×125 mm			
Junction Box		IP65, 1000VDC, TÜV certified			
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes			
Maximum Series Fuse Rating	A	7			
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 <sup>2</sup> , Cells Temperature 25°C			
Operating Temperature	°C	-40~+85			
Product Certifications		IEC61215, IEC61730 & CEC LISTED			



CNPV-60M/70M/75M/80M

### 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



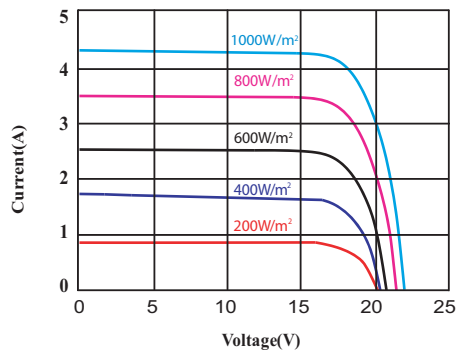
# High Performance 36 Cut Cell Mono Crystalline Solar Photovoltaic Module

## Mechanical & Packaging Characteristics

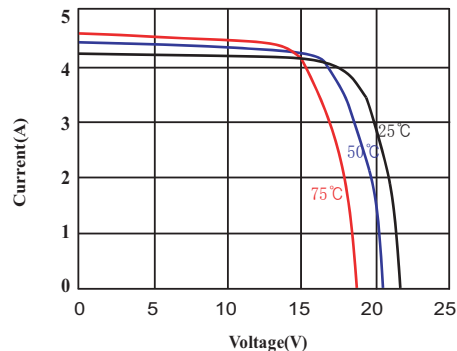
Dimensions A×B×C	mm	917×540×35
Installation Hole Dimension E×F	mm	550×495
Weight	Kg	7.0
Number of Draining Holes in the Frame		4
Construction		Superstrate: High transmission 3.2mm tempered low iron glass; Substrate:White Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminium alloy type 6063T5; Color:silver
Packing Configuration and Quantity per Pallet		1 pcs per carton and 44 pcs/pallet
Container Loading Capacity		2112 pcs per 40 ft container; 792 pcs per 20 ft container

## I-V Characteristics at different Irradiances and Temperatures

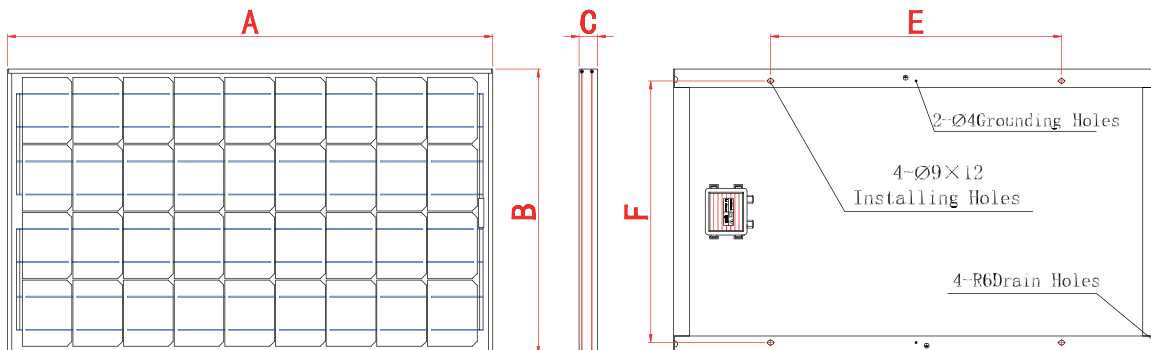
I-V Curves of CNPV-70M at different Irradiances  
Cell Temp.:25°C



I-V Curves of CNPV-70M 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](http://www.cnpv-power.com)