

**Model Number: CNPV-60M to CNPV-70M**

**Power Range: 60Wp to 70Wp**



Typical Electrical Characteristics			
Model Number	UOM	CNPV-60M	CNPV-70M
Rated Maximum Power-Pmax	Wp	<b>60</b>	<b>70</b>
Power Tolerance	%	±5	±5
Maximum Power Voltage-Vmp	V	18.0	18.2
Maximum Power Current-Imp	A	3.33	3.84
Open Circuit Voltage-Voc	V	22.5	22.8
Short Circuit Current-Isc	A	3.70	4.22
Maximum System Voltage-VDC	V	715	
Encapsulated Solar Cell Efficiency-ηc	%	15.0	17.4
Module Efficiency-ηm	%	12.1	14.1
Solar Cell and Configuration		36 cells (93.75mm x 125mm) in a 4x9 matrix connected in series	
Solar Cell Technology & Size	mm	Mono Crystalline 93.75*125	
Junction Box		IP65, 1000VDC, TUV Certified	
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes	
Maximum Series Fuse Rating	A	7	
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-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		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 web site: [www.cnpv-power.com](http://www.cnpv-power.com)

### SALIENT FEATURES

- ◆Narrow Power Tolerance: ± 5%
- ◆High Transmission, Low Iron, Tempered Glass
- ◆Electroluminescence Screening
- ◆Schottky By-pass diodes
- ◆Heavy Snow Load: 5400Pa

### WARRANTY

- ◆Manufacturing:
  - ✓ 5 years
- ◆ Power production:
  - ✓ 90% : 10 years
  - ✓ 80% : 25 years
- ◆Dual Insurance Policy

### CERTIFICATIONS



High Performance Mono Crystalline SPV Module



# High Performance 36 Cell Mono Crystalline 93.75×125 mm Solar Photovoltaic Module

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Mechanical & Packaging Characteristics			
Dimension	A*B*C	mm	917*540*40
Installation Hole Dimension	E*F	mm	550*503
Weight		Kg	7.0
Number of Draining Holes in the Frame			8
Construction			Superstrate: High transmission 3.2mm tempered low iron glass; Substrate: White Back Sheet; Encapsulant: Fast Cure EVA
Frame			Clear anodized aluminum alloy type 6063T5; Color: silver
Packing Configuration and Quantity per Pallet			2pcs per carton, 38pcs/pallet
Container Loading Capacity			1444pcs per 40ft Container, 684pcs per 20ft Container

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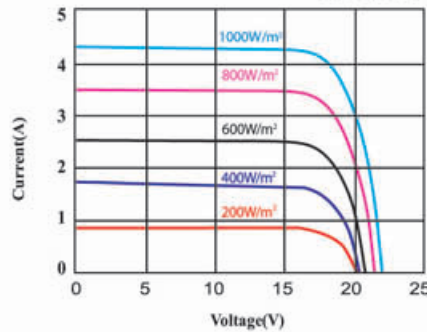
## CERTIFICATIONS



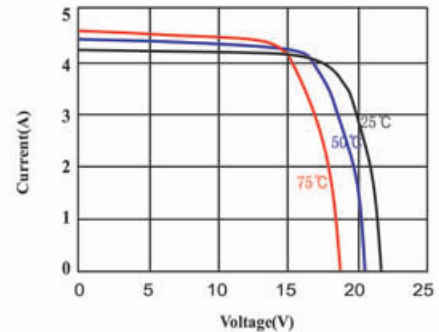
High Performance Mono Crystalline SPV Module

## I-V Characteristics at different Irradiances and Temperatures

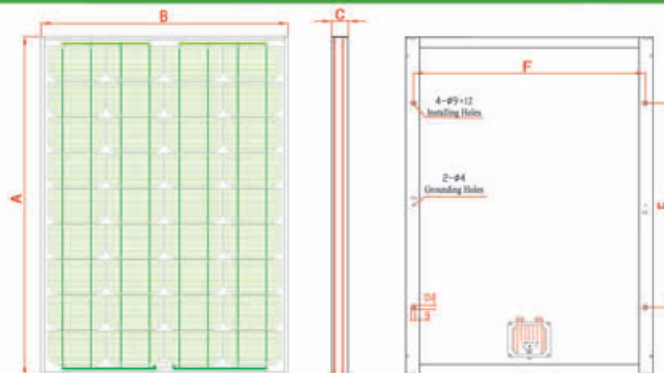
I-V Curves of CNPV-60M to CNPV-70M at different irradiance  
Cell Temp. 25°C



I-V Curves of CNPV-60M to CNPV-70M at different cell temperature  
IRRADIANCE AM1.5, 1000W/m²



## Dimensional Characteristics



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