

Typical Electrical Characteristics

Model Number	UOM	CNPV-60M	CNPV-70M	CNPV-75M	CNPV-80M
Rated Maximum Power-Pmax	Wp	60	70	75	80
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			
Encapsulated Solar Cell Efficiency-ηc	%	15.0	17.4	17.9	19.1
Module Efficiency-ηm	%	12.1	14.1	15.1	16.2
Solar Cell and Configuration		36 cells (93.75×125 mm) 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 ² , Cells Temperature 25°C			
Operating Temperature	°C	-40~+85			
Product Certifications		IEC61215, IEC61730 & CE			

SALIENT FEATURES

- ※ Customer Driven Product Portfolio
- ※ Market Focused European Insurance
- ※ Industry Leading Snow Loading Capacity:5400Pa
- ※ Proven Key Raw Materials Selection
- ※ 100% Electro Luminescence Pre-screening
- ※ 5 Years Workmanship Warranty
- ※ The best \$/kWh under the Sun

WARRANTY

- ※ Manufacturing:
 - √ 5 years
- ※ Power Production:
 - √ 90%: 10 years
 - √ 80%: 25 years
- ※ Dual Insurance Policy with Reputed European Insurance companies

CERTIFICATIONS



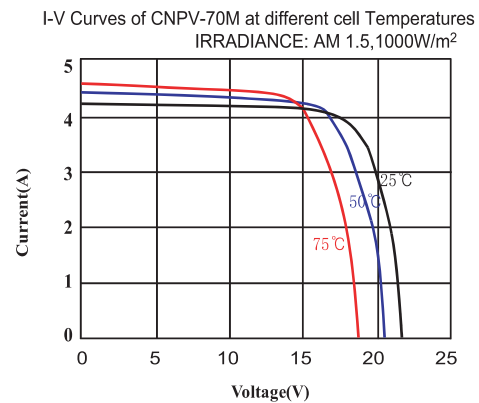
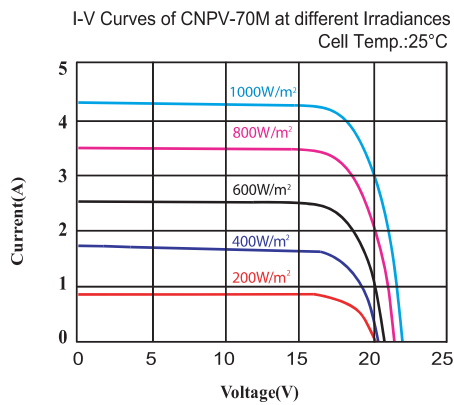
High Performance Mono Crystalline SPV Module

High Performance 36 Cut Cell Mono Crystalline Solar Photovoltaic Module

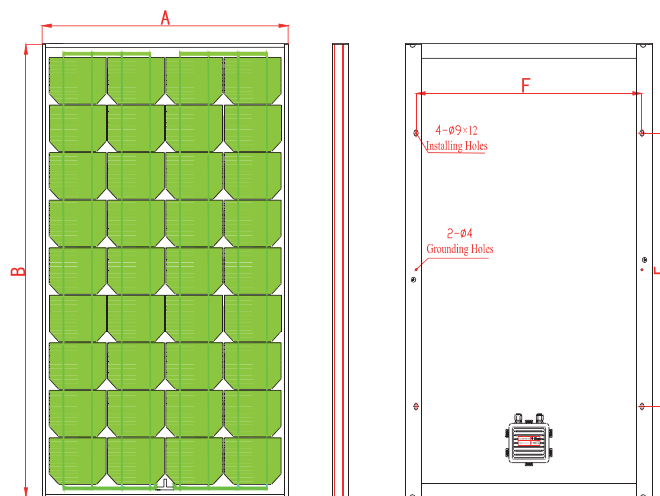
Mechanical & Packaging Characteristics

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



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