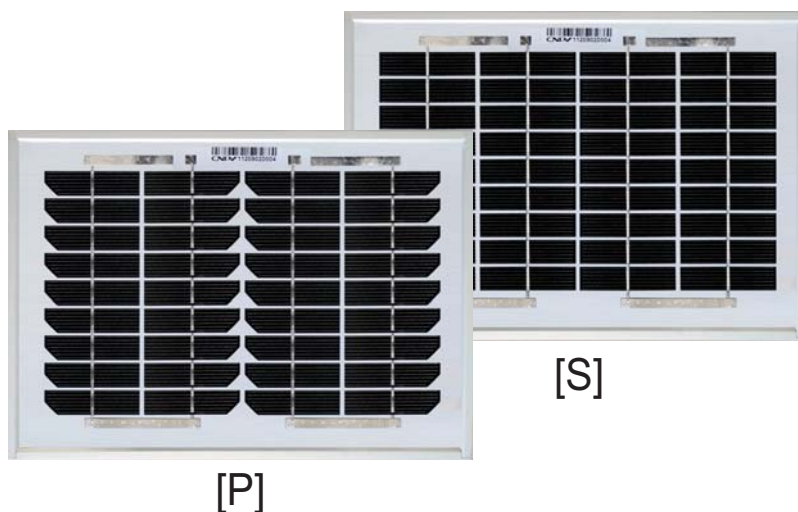


### Typical Electrical Characteristics

Model Number	UOM	CNPV-5M[P]	CNPV-5M[S]
Rated Maximum Power-Pmax	<b>Wp</b>	<b>5</b>	<b>5</b>
Maximum Power Voltage-Vmp	V	18.0	18.0
Maximum Power Current-Imp	A	0.28	0.28
Open Circuit Voltage-Voc	V	22.5	22.5
Short Circuit Current-Isc	A	0.31	0.31
Maximum System Voltage-VDC	V	1000	1000
Encapsulated Solar Cell Efficiency-ηc	%	14.4	14.4
Solar Cell and Configuration		36 cut cells in a 4×9 matrix connected in series	
Solar Cell Technology & Size	mm	Mono Crystalline 15.62×62.5 mm	
Junction Box		IP65,1000VDC, TÜV certified	
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes	
Maximum Series Fuse Rating	A	0.5	
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	



#### 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



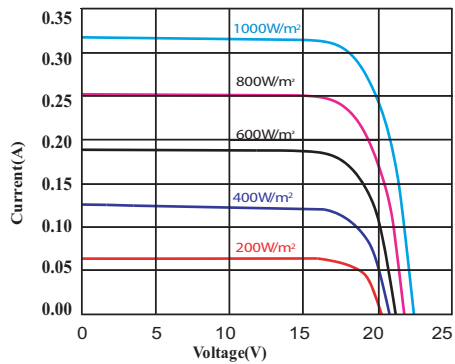
# High Performance 36 Cut Cell Mono Crystalline Solar Photovoltaic Module

## Mechanical & Packaging Characteristics

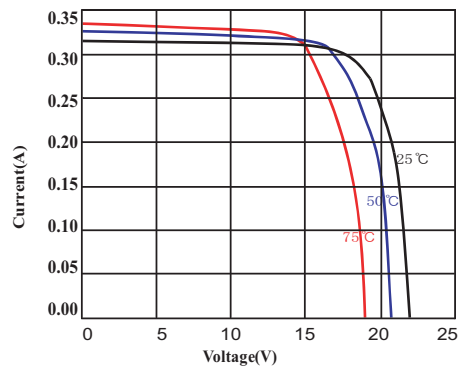
Dimensions A×B×C	mm	215×303×35
Installation Hole Dimension E×F	mm	129×258
Weight	Kg	1.2
Number of Draining Holes in the Frame		4
Construction		Superstrate: High transmission 3.2mm tempered low iron glass; Substrate: White Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminum alloy type 6063T5; Color: silver
Packing Configuration and Quantity per Pallet		1 pcs per carton, 462 pcs/pallet
Container Loading Capacity		12936 pcs per 40 ft container, 5544 pcs per 20 ft container

## I-V Characteristics at different Irradiances and Temperatures

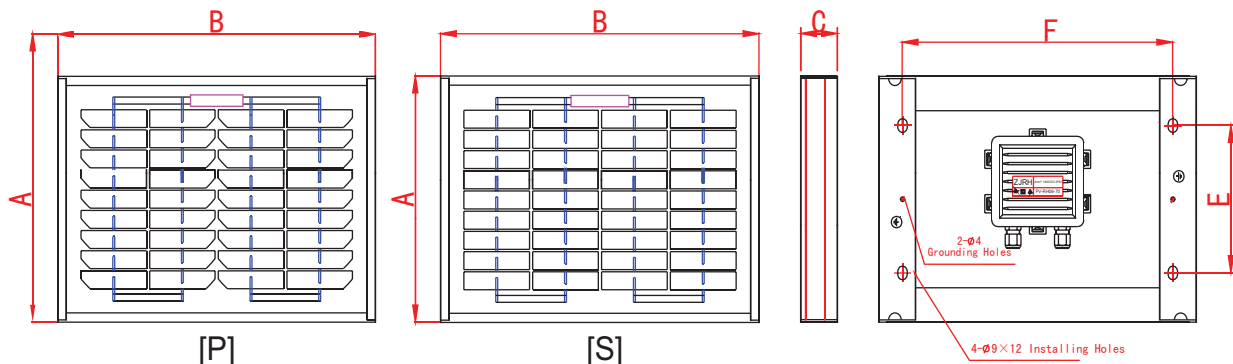
I-V Curves of CNPV-5M at different Irradiances  
Cell Temp.:25°C



I-V Curves of CNPV-5M 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)