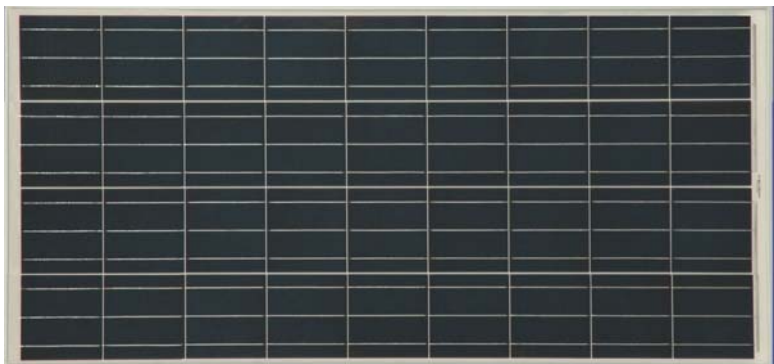


Typical Electrical Characteristics

Model Number	UOM	CNPV-140P	CNPV-145P	CNPV-150P	CNPV-155P
Rated Maximum Power-Pmax	Wp	140	145	150	155
Maximum Power Voltage-Vmp	V	18.4	18.6	18.8	19.0
Maximum Power Current-Imp	A	7.60	7.80	8.00	8.15
Open Circuit Voltage-Voc	V	22.3	22.5	22.6	22.7
Short Circuit Current-Isc	A	8.20	8.40	8.50	8.60
Maximum System Voltage-VDC	V	1000	1000	1000	1000
Encapsulated Solar Cell Efficiency-ηc	%	16.0	16.6	17.1	17.7
Solar Cell and Configuration		36 cells in a 4x9 matrix connected in series			
Solar Cell Technology & Size	mm	Poly Crystalline 156×156 mm			
Junction Box		IP65, 1000VDC, TÜV certified			
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes			
Maximum Series Fuse Rating	A	20			
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-140P/145P/150P/155P

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

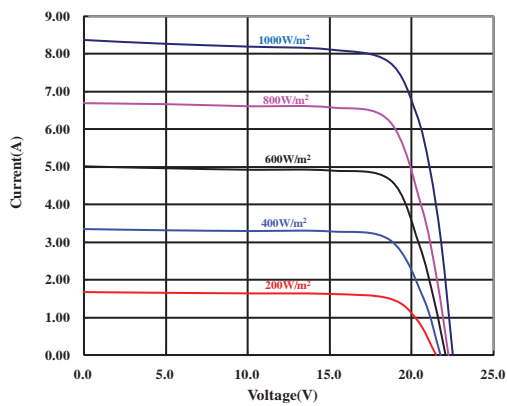
High Performance 36 Cell Poly crystalline 156x156mm Solar Photovoltaic Module

Mechanical & Packaging Characteristics

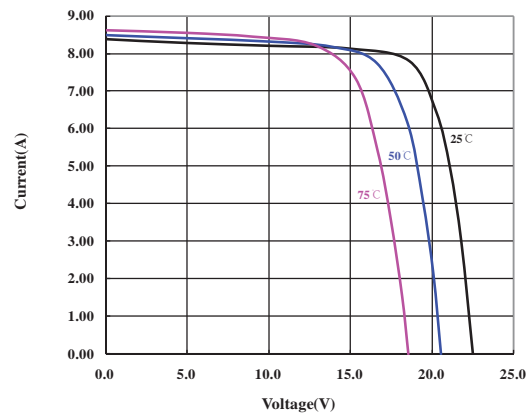
Dimensions AxBxC	mm	1492x674x35
Installation Hole Dimension ExF	mm	894x619
Weight	Kg	13.0
Number of Draining Holes in Frame		12
Construction		Superstrate: High transmission 3.2mm tempered low iron glass; Substrate: White Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminium alloy type 6063T5; Color: silver
Packing Configuration and Quantity per Pallet		2 pcs per carton and 23 carton per pallet
Container Loading Capacity		1058 pcs per 40 ft high cubic container; 506 pcs per 20 ft container

I-V Characteristics at different Irradiances and Temperatures

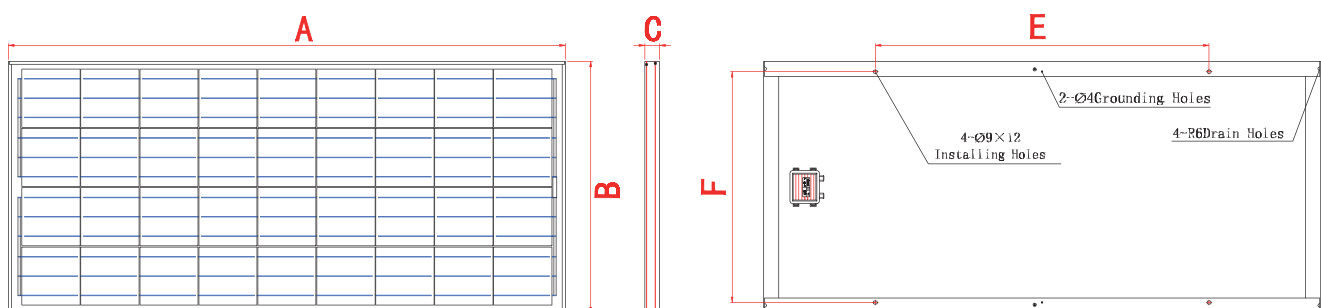
I-V Curves of CNPV-145P at different Irradiances
Cell Temp.: 25°C



I-V Curves of CNPV-145P 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