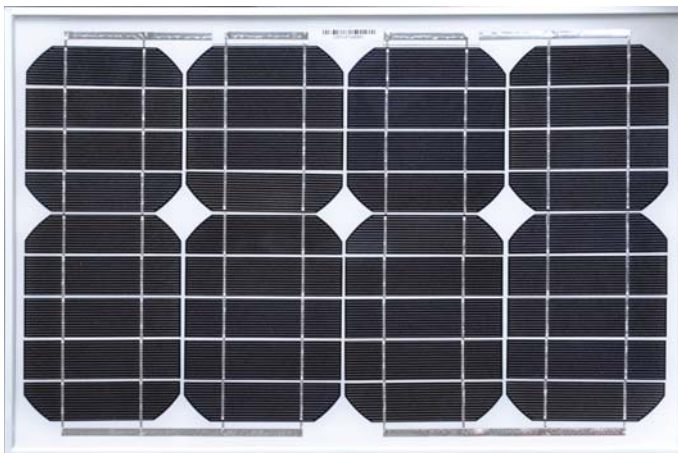


Typical Electrical Characteristics

| Model Number | UOM | CNPV-20M |
|---|-----------|--|
| Rated Maximum Power-Pmax | Wp | 20 |
| Maximum Power Voltage-Vmp | V | 18.0 |
| Maximum Power Current-Imp | A | 1.14 |
| Open Circuit Voltage-Voc | V | 22.5 |
| Short Circuit Current-Isc | A | 1.27 |
| Maximum System Voltage-VDC | V | 1000 |
| Encapsulated Solar Cell Efficiency-ηc | % | 14.4 |
| Solar Cell and Configuration | | 36 cells in a 4×9 matrix connected in series |
| Solar Cell Technology & Size | mm | Mono Crystalline 31.25×125 mm |
| Junction Box | | IP65, 1000VDC, TÜV certified |
| Number of Bypass Diodes & Type | | 2 Nos, Schottky By-pass diodes |
| Maximum Series Fuse Rating | A | 2 |
| 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 | | IEC 61215, IEC 61730 & CEC LISTED |



CNPV-20M

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



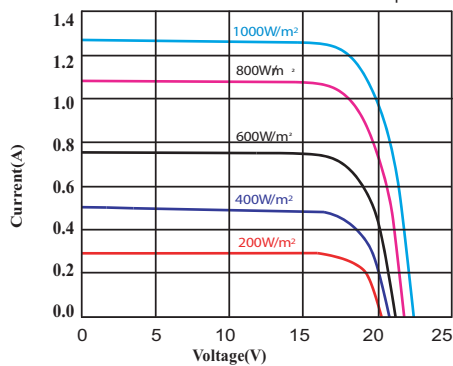
High Performance 36 Cut Cell Mono Crystalline Solar Photovoltaic Module

Mechanical & Packaging Characteristics

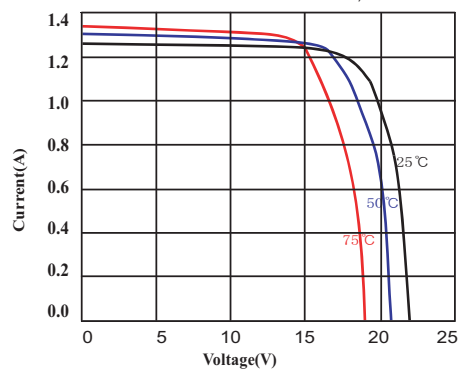
| | | |
|---|----|---|
| Dimensions A×B×C | mm | 357×540×35 |
| Installation Hole Dimension E×F | mm | 214×495 |
| Weight | Kg | 3 |
| Number of Draining Holes in the Frame | | 4 |
| Construction | | Superstrate: High transmission 3.2mm tempered low iron glass; Substrate: White Back Sheet; Encapsulant: Fast Cure EVA |
| Frame | | Clear anodized aluminum alloy type 6063T5; Color: silver |
| Packing Configuration and Quantity per Pallet | | 1 pcs per carton, 132 pcs/pallet |
| Container Loading Capacity | | 5280 pcs per 40 ft container, 1980 pcs per 20 ft container |

I-V Characteristics at different Irradiances and Temperatures

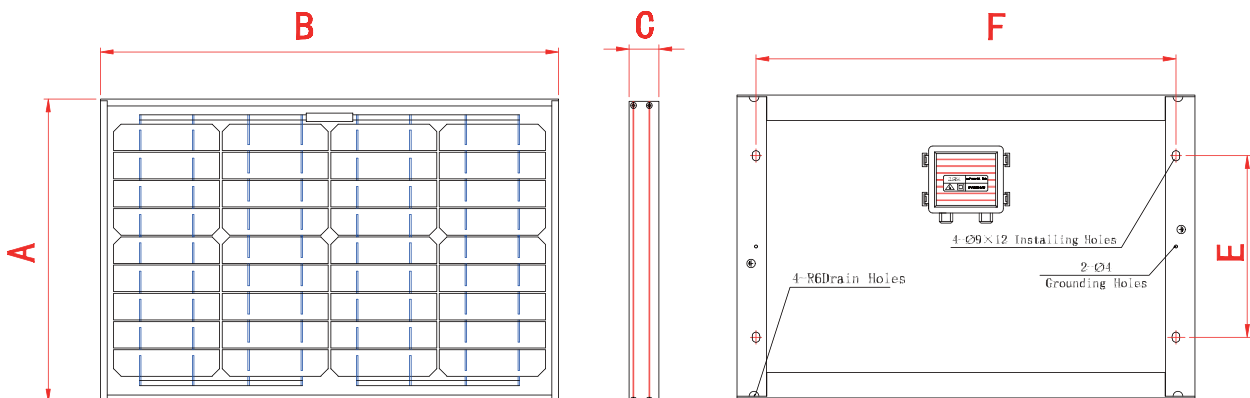
I-V Curves of CNPV-20M at different Irradiances
Cell Temp. 25°C



I-V Curves of CNPV-20M 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