

ARMP-36P-145

145 Watt



Guarantee positive power tolerance(0~+3%)



Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



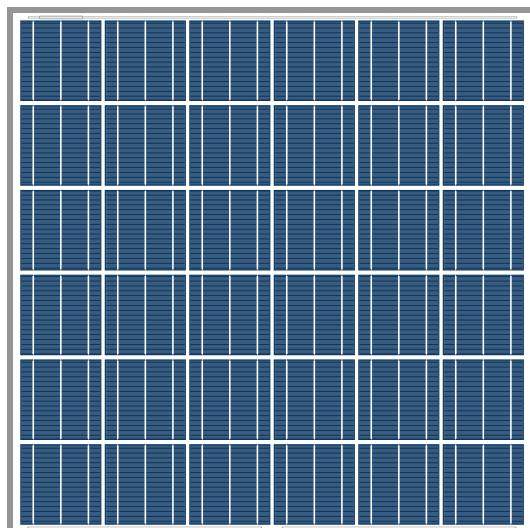
High performance under low light conditions (Cloudy days, mornings and evenings)



Manufacturing facility certified by IOS 9001:2008 and IOS 14001:2004



Chubb products liability insurance, errors and omissions(E&O)insurance



Note: All products of ARMSolar have been certified by designated international organizations. For detailed information, please visit the company's official website.

Certification

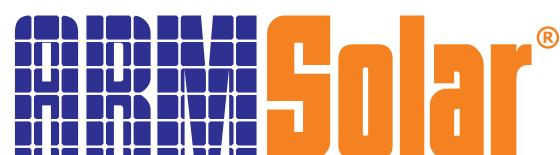


Industry-leading linear warranty



Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	mA/°C	+5.2
Open Circuit Voltage Temperature Coefficient	V/°C	-0.1287
Maximum Power Temperature Coefficient	%/°C	-0.4514
Performance Warranty		
90% output, 12 Years		
80% output, 25 Years		

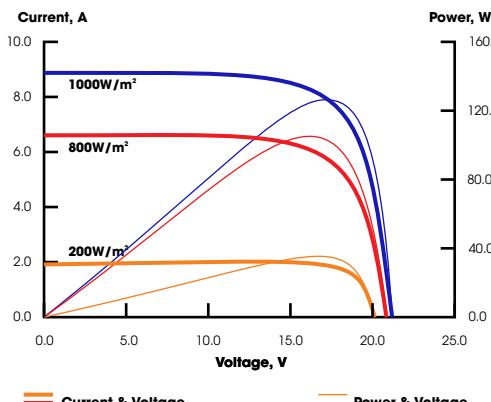


Typical Electronic Characteristics	145
Maximum power(p_{max})	145
Power Tolerance	+3%
Open Circuit Voltage(V_{oc})	21.7V
Short Circuit Current(I_{sc})	8.79A
Maximum Power Voltage(V_{mp})	18.0V
Maximum Power Current(I_{mp})	8.06A
Series Fuse Rating	10A
Terminal Box	IP65
Max.System Voltage	1000VDC
Cell Size and Series	Poly-Si crystalline 156x156mm(6inch) 36pcs (6x6)
NOTC-Nominal Operating Cell Temperature	-40 \div +85°C
STC Condition	Irradiance level 1,000W/m ² , Spectrum AM 1.5, and Cell Temperature 25°C
Certifications	IEC61215, IEC61730, IEC62716, IEC61701-2012, IEC60364-4-41, IEC61724, IEC61853, IEC62446-2016 DIN EN 60068-2-68 ISO 9001:2015, ISO 14001:2004, ISO 17025:2005

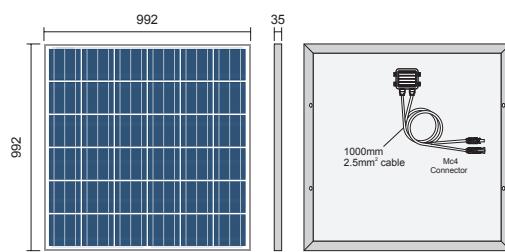
Quality Assurance

1. Electrical insulation test.
2. Outdoor exposure test.
3. Hot-spot endurance test.
4. UV-exposure.
5. Thermal cycling test.
6. Humidity freeze test
7. Damp heat test.
8. Robustness of terminations test.
9. Wet leakage current test.
10. Mechanical load test.
11. Hail impact test.
12. Bypass diode thermal test.

Current-Voltage & Power-Voltage characteristics at various irradiance levels



Physical Specifications



Dimension:

Length: 992mm
Width: 992 mm
Depth: 35 mm
Weight: 11 kg

Packing:

30 pcs / carton

Loading Capacity:

360 pcs / 20ft container
840 pcs / 40ft container