

AR-M280W

60 Cells 19.56% Cells Efficiency

1500VDC Maximum system voltage



OREX

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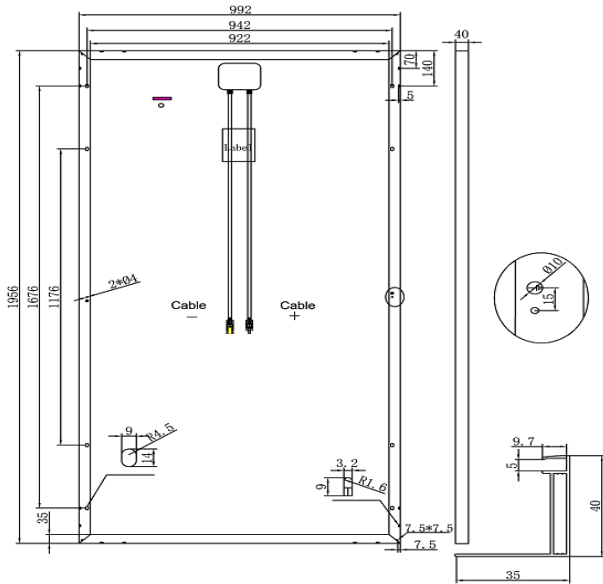
Benefits

- High efficiency solar cells with high transmission and textured glass are delivering high efficiency for
- Bypass diode minimizes the power drop caused by shade;
- Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- Modules independently tested to ensure conformance with certification and regulatory standards;
- Manufacturing facility certified to ISO 9001/ISO 14001; quality management system standards.

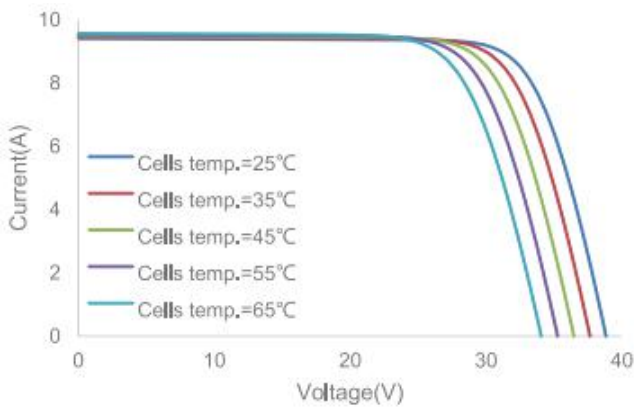
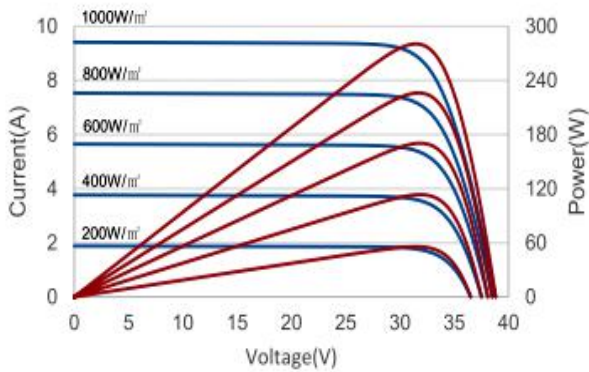
Key Features

- **OUTPUT POSITIVE TOLERANCE:**
Guaranteed 0~+5W positive tolerance ensures power responsibility
- **PASSED HAIL TEST:**
Certified to hail resistance: ice ball size (d=45mm) and ice ball velocity(v=23.m/s).
- **PID RESISTANCE:**
Excellent PID resistance at (-40°C~+85°C) test, and also can be improved to meet higher standards for the particularly harsh environment.
- **EXCELLENT MECHANICAL LOAD CAPABILITY:** Certified to withstand: snow load (5400 Pa) and wind load (2400 Pa).
- **WARRANTIES:**
12 year limited product warranty; 25 year limited power output warranty(90% for 10 years, and 80% for 25 years),Please refer to our Warranty Terms conditions

Module Dimensionl Details



IV-Curves



ELEC TRICAL SPECIFICATIONS

AT STC(AM1.5,Temp 25°C,E 1000W/m²)		
Module Type	AR-P280W	
Power output	Pmax	280W
Module efficiency	ηm	17.21%
Voltage at Pmax	Vmp	31.65V
Current at Pmax	Imp	8.85A
Open circuit voltage	Voc	38.22V
Short circuit current	Isc	8.92A

AT NOCT(Temp 20°C,E 800W/m² wind speed 1m/s)		
Module Type	AR-P280W	
Power output	Pmax	207.2W
Voltage at Pmax	Vmp	28.80V
Current at Pmax	Imp	7.19A
Open circuit voltage	Voc	34.78V
Short circuit current	Isc	8.27A

Mechanical Data

Module Demision (mm)	1640×992×40
Cells	60(6×10)
Weight (kg)	18.6
Glass	High transmission glass 3.2mm
anti-reflective coating	Antireflecting glass
Junction box IP rating	IP67 1500VDC 3 bypass diode
Cable	TUV certificated 4mm²
Connector type	MC4 compatible
Fire performance	Class C

Working Conditions & Temperature

Temperature coefficient (P mpp)	-0.39%/°C
Temperature coefficient (I sc)	+0.05%/°C
Temperature coefficient (V oc)	-0.29%/°C
NOCT	45°C±2°C
Maximum system voltage (IEC)	1500V DC
Maximum series fuse rating	15A

Packing

packing unit	27pcs/box
1*40'HQ	28Pallets/567pcs