

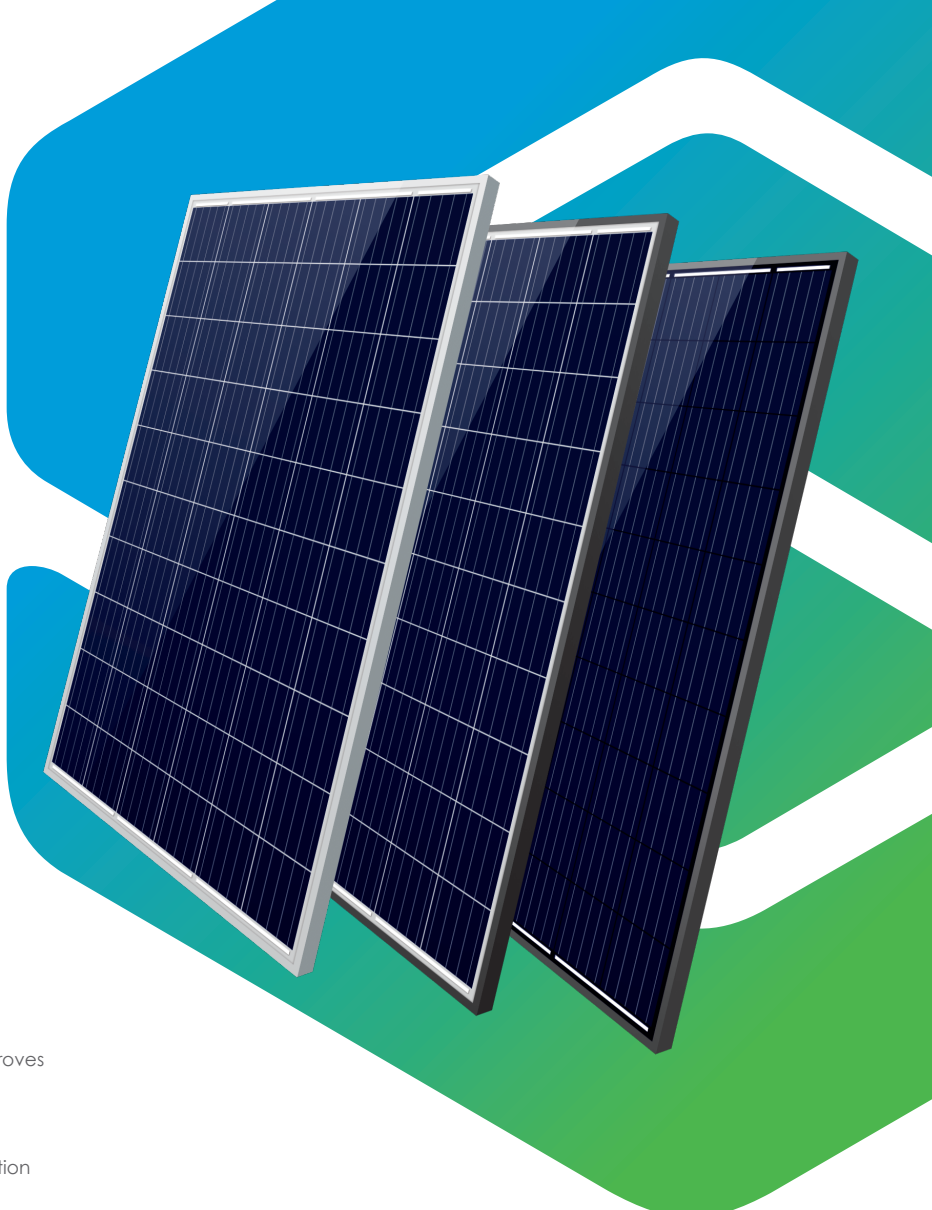


# 270W~290W

Polycrystalline PERC PV Module

UZ156P-60 Series 270~280W

UZ156P-PERC-60 Series 285~290W



## KEY FEATURES



### Innovative Solar Cells

Five busbar polycrystalline PERC cell technology improves module efficiency



### PID Free

Reinforced cell prevents potential induced degradation



### Low-Light Performance

Advanced glass technology improves light absorption and retention



### Excellent Mechanical Load Capability

Certified to withstand: snow load (6000Pa) and wind (3600Pa)



### Weather Resistance

Certified for salt mist and ammonia resistance



### Maximum System Voltage

Up to IEC1500V system voltage, saving on BoS costs

## MANAGEMENT SYSTEM

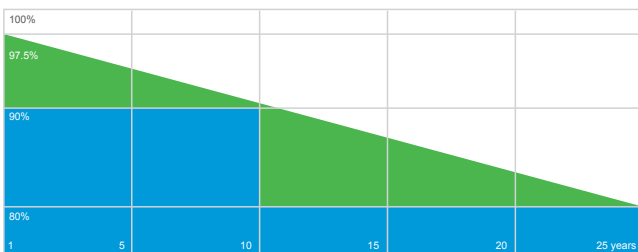
- ISO9001:2008 Quality Standards
- ISO14001:2004 Environmental Standards
- OHSAS18001 Occupational Health & Safety Standards

## INSURANCE



## LINEAR PERFORMANCE WARRANTY

• 12-year Workmanship Warranty • 25-year Linear Performance Warranty

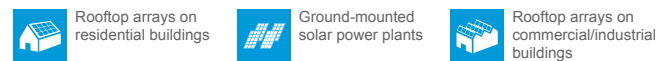


■ UZON Linear Power Warranty ■ Industry Warranty

## PRODUCT CERTIFICATES



## THE IDEAL SOLUTION FOR:



Anhui Uzon Photovoltaic Technology Co., Ltd

www.uzon.com.cn

## ELECTRICAL SPECIFICATIONS

Module Type	UZ156P 270-60		UZ156P 275-60		UZ156P 280-60		UZ156P 285-60		UZ156P 290-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated output (Pmpp/Wp)	270	188.4	275	191.9	280	195.4	285	198.9	290	202.4
Rated voltage (Vmpp/V)	31.48	28.88	31.67	29.05	31.92	29.28	32.14	29.49	32.35	29.68
Rated current (Impp/A)	8.60	6.52	8.7	6.6	8.78	6.67	8.87	6.74	8.96	6.81
Open circuit voltage (Voc/V)	38.75	35.38	39.12	35.71	39.47	36.03	39.82	36.35	40.17	36.67
Short circuit current (Isc/A)	9.19	7.02	9.23	7.05	9.26	7.07	9.30	7.10	9.34	7.13
Module efficiency(%)	16.50%		16.90%		17.20%		17.50%		17.80%	

Standard Test Conditions (STC): irradiance 1,000 W/m<sup>2</sup>; AM 1.5; module temperature 25°C. Tolerance of Pmpp: 0~+3%. Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Normal Operating Cell Temperature (NOCT): irradiance 800W/m<sup>2</sup>; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C. Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

## TEMPERATURE CHARACTERISTICS

Temperature coefficient (Pmpp)	-0.422%/°C
Temperature coefficient (Isc)	+0.0412%/°C
Temperature coefficient (Voc)	-0.321%/°C
Operating Temperature	-40~+85 °C
NOCT Temperature	45±2 °C

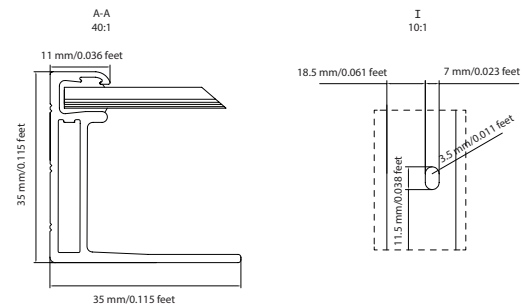
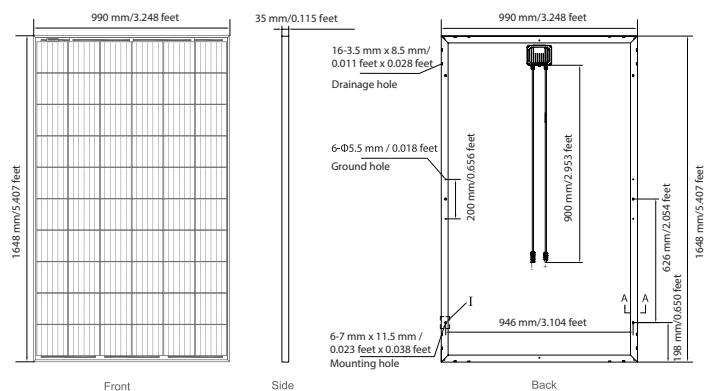
## MAXIMUM RATINGS

Maximum system voltage (IEC/UL)	1000VDC or 1500VDC
Maximum series fuse rating	15A

## MECHANICAL SPECIFICATIONS

Cell Type	Poly crystalline 156.75 x 156.75 mm (60pcs)
Outer dimensions (L x W x H)	1648 x 990 x 35 mm
Weight	18.3Kg
Frame	Anodized aluminium alloy (silver or black)
Module composition	Glass / EVA / Backsheet (white or black)
Front glass	3.2 mm AR coating tempered glass, low iron
Cable	Dimiameter 4 mm <sup>2</sup> , Length 900mm
Fire performance	Class C (IEC) or Type 1 (UL)
Connector type	MC4 compatible
Junction Box	IP67
Maximum mechanical test load	6000 Pa

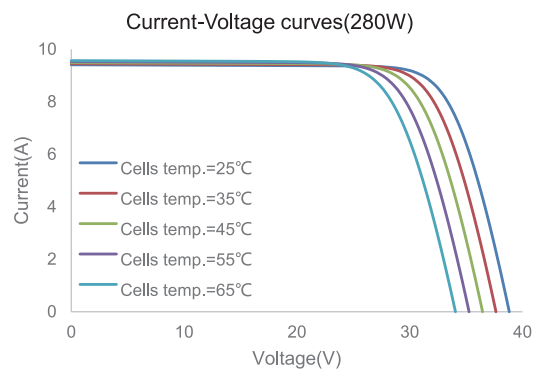
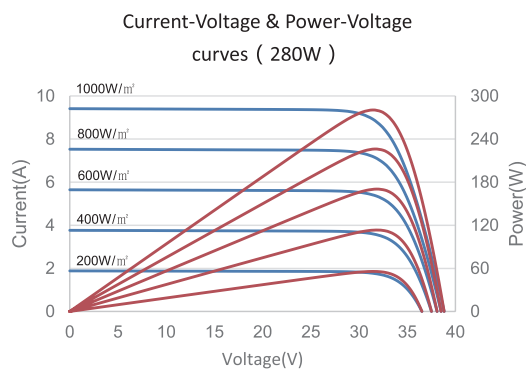
## ENGINEERING DRAWINGS



## PACKING CONFIGURATIONS

Per Pallet	31 Pcs
Per 20' GP Container	372 Pcs
Per 40' GP Container	868 Pcs
Per 40' HQ Container	938 Pcs

## CURVE & TEMPERATURE DEPENDENCE



## ANHUI UZON PHOTOVOLTAIC TECHNOLOGY CO., LTD

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Together Beyond Dreams !