

ALX-285P



Company Profile

Alex Solar manufactures and produces crystalline silicon solar cells and solar modules with production facilities based in Shanghai.

We have a vertically integrated business model beginning with wafers, cells and modules and our current production capacity is 600 MW.

Quality and Warranty

10 year limited warranty on material and workmanship

12 year warranty on power output to not fall below 90%

25 year warranty on power output to not fall below 80%

ISO 9001:2008 (Quality Management System) certified factory

Certified by UL, TUV, CE, RINA, MCS and CEC

Products meet the IEC61215, IEC61730, and UL1703 standards

Insured by US Chubb Insurance and Alltrust Insurance Brokers & Risk Consultants Co., Ltd.

Characteristics

High cell efficiency ensures high power performance even at low irradiation

High-performing modules have an industry low tolerance of 3%

Module stability and reliability due to high-quality raw materials

Reliable schottky bypass diode minimizes power drop by shade

All weather-resistant junction box and crosslink cable

Withstands high wind force up to 2400Pa and heavy snowloads of up to 5400Pa



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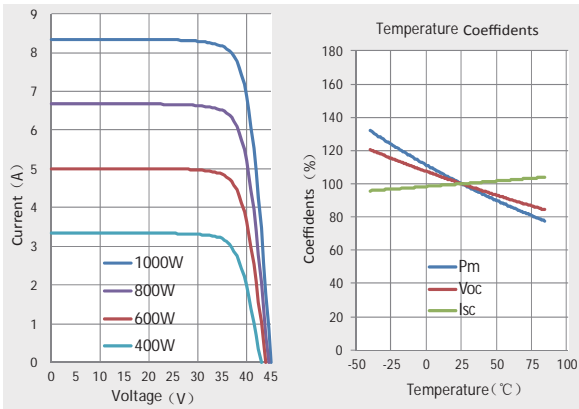




Typical Electrical Characteristics

Type	ALP-275D-24	ALP-280D-24	ALP-285D-24	ALP-290D-24	ALP-295D-24
Maximum Power (Pmax)	275W	280W	285W	290W	295W
Power Tolerance	±3%	±3%	±3%	±3%	±3%
Open Circuit Voltage(Voc)	44.35V	44.51V	44.72V	44.9V	45.1V
Short Circuit Current (Isc)	8.19A	8.29A	8.39A	8.49A	8.59A
Maximum Power Voltage (Vmp)	36.3V	36.5V	36.7V	36.9V	37.1V
Maximum Power Current(Imp)	7.58A	7.67A	7.76A	7.86A	7.95A
Cell Efficiency	16.01%	16.31%	16.60%	16.89%	17.18%
Module Efficiency	14.11%	14.37%	14.63%	14.88%	15.14%
Max. System Voltage	1000 VDC				
Cell Size and Series	6" (156mm)*6" (156mm) poly 72pcs(6*12)				
Bypass Diodes	3pcs 15A				
Temperature Coefficients of Pmax	-0.427%/				
Temperature Coefficients of Voc	-0.287%/				
Temperature Coefficients of Isc	+0.066%/				
NOCT- Nominal Operating Cell Temperature	45 (±2)				
Standard Test Condition	Irradiance level 1,000W/m ² , Spectrum AM 1.5, and Cell Temperature 25				

Typical Electrical Characteristics



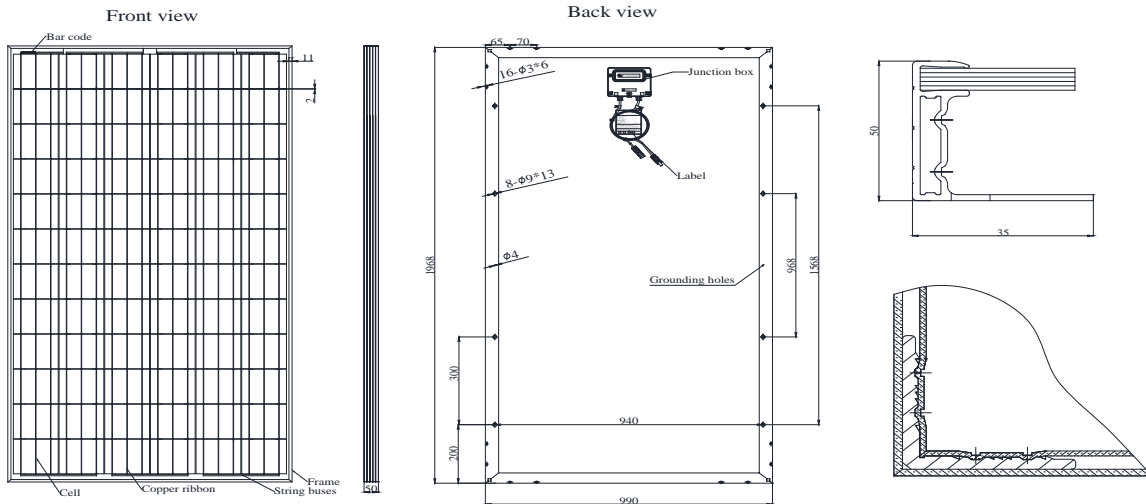
Mechanical Characteristics

Surface Maximum Load Capacity	2,400Pa
Allowable Hail Load	227g steel ball fall down from 1m height
Glass Type	High Transmits, Low Iron, 3.2mm Tempered Glass
Frame	Aluminium-alloy
Dimensions (mm)	1968mm(L)×990mm(W)×50mm(H)
Weight(kg)	23 kgs
Dielectric Insulation Voltage	3000VDC max
Operating Temperature	-40 ~ +85
Storage Temperature	-40 ~ +85
Cable Length	1000mm

Package Information

Carton	21pcs/ctn
Pallet	42pcs/plt(21pcs/ctn*2ctn)
40"HQ	11plts (462pcs)

Dimensions



Specifications are subject to change without further notification

