

# CL-P72300-D 300W

72 (6×12) 156×156mm

Polycrystalline PV modules



**4BB** (4 bus bar)  
technology

**5**

**YEAR**

Manufacturing Warranty

**12**

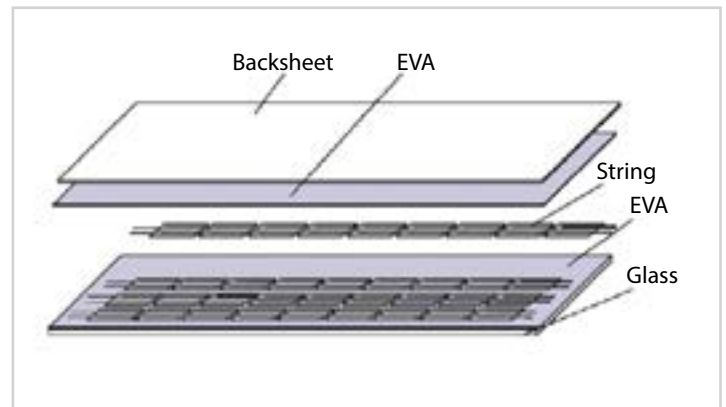
**YEAR WARRANTY**

90% Power Output

**25**

**YEAR WARRANTY**

80% Power Output



Power tolerance (0~+3%) to ensure the high reliability of power output



Modules certified by TÜV to with stand high level of wind loads (2400 Pa) and snow loads (5400 Pa)



Special PV Module Insurances by world leading insurance company guarantees the benefit of PV investors and PV module users

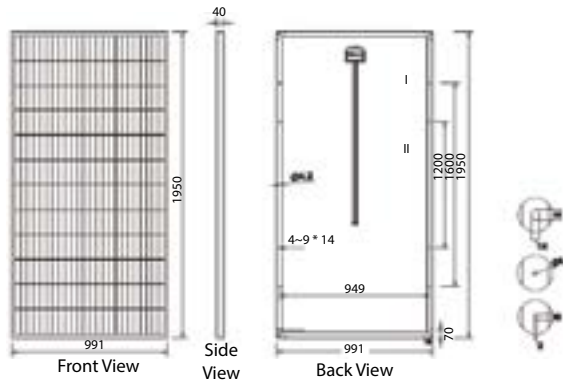


Junction box and bypass diods guarantee the modules free of overheating and "hot spot effect"

## WHY ABI-SOLAR?

- PV modules are designed for maximum efficiency when used in insolation conditions of the Central European region.
- Each PV module by Abi-Solar is tested to verify its characteristics and specifications.
- Modules certified by global testing facilities: IEC61215, IEC61730, CE, ROHS.
- Manufacturing with international quality standarts and environment management system: ISO9001 and ISO14001.
- Maximum power and performance at minimal price ensure fast return of investments.
- Compatability with both on-grid and off-grid PV systems ga-rated.

## MECHANICAL DRAWINGS



## MECHANICAL SPECIFICATIONS

Cell type	Poly Crystalline 156x156 mm
Number of cells	72 (6x12)
Dimensions (AxBxC)	1950x991x40 mm
Weight	24 kg
Front Glass	3.2 mm tempered low iron glass
Frame	Anodized aluminum
Junction Box	IP67 with bypass diodes
Connector	MC4 compatible
Output cables	TUV, length ± 900mm, 4.0mm <sup>2</sup>

## ELECTRICAL CHARACTERISTICS

	STC	NOCT
Maximum Power (Pmax)	300W	217.8W
Short Circuit Current (Isc)	8.73A	6.89A
Open Circuit Voltage (Voc)	45.2V	42.3V
Maximum Power Current (Impp)	8.24A	6.45A
Maximum Power Voltage (Vmpp)	36.41V	33.8V
Module Efficiency	15.52%	
Power Tolerance	0~+5W	

**STC** irradiance: 1000 W/m<sup>2</sup> module temperature: +25 °C AM=1,5

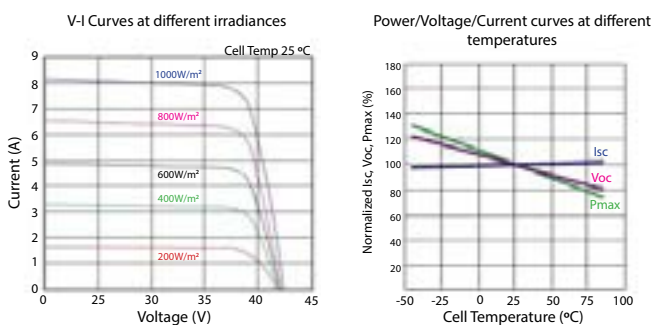
**NOCT** irradiance: 800 W/m<sup>2</sup> module temperature: +20 °C AM=1,5

## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45 °C ±2 °C
Temperature Coefficient of Pmax	-0.44% °C
Temperature Coefficient of Voc	-0.34% °C
Temperature Coefficient of Isc	0.06% °C

## PACKING CONFIGURATION

Container	20'GP	40'GP
Pieces per pallet	27	27
Pallets per container	10	27
Pieces per container	270	648



## SYSTEM INTEGRATION PARAMETERS

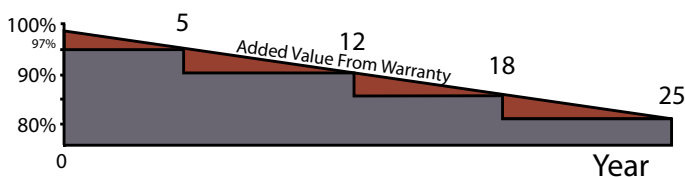
Maximum System Voltage	VDC 1000V
Maximum Series Fuse	15A
Operating Temperature	-40 °C ... +85 °C
Maximum snow load (IEC 61215)	5400Pa
Number of bypass diodes	2 or 4

## QUALIFICATIONS AND CERTIFICATES



IEC 61215  
IEC 61730

## INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



Based of nominal power (Pnom)

25-year transferrable power output warranty:

95% - 5 years; 90% - 12 years; 85% - 18 years; 80% - 25 years

5-year material and workmanship

### United Kingdom

44 Main Street, Douglas,  
South Lanarkshire,  
ML11 0QW, UK  
+441315659030

### Poland

ul. Józefa Ignacego  
Kraszewskiego 36/128,  
30-110 Kraków  
+48 12 307-25-43

### Ukraine

13-B, Revuts'kogo street,  
Kyiv, Ukraine,  
02091  
+380 44 545-71-04

### Russia

47, Nizhniaya  
Pervomaiskaya street,  
Moscow, 105203  
+7 495 975-98-73