For a Free Quote:

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Solar Panel Guide Specification Data Sheet

Dusol DS72 DS72 290



DS72 Series (72Cells) 290 Wp 320 Wp 300 Wp



General Description

As a solar specialist with more than 30 year of experience in photovoltaic (PV), DuSol makes significant contributions to groundbreaking progress in solar technology. DuSol photovoltaic modules in the DS series are designed for applications with high power requirements.

These quality polycrystalline modules produce a continuous, reliable yield, even under demanding operational conditions.

All DuSol DS series modules offer system integration which is optimal both technically and econocmically, and are suitable for installations in on- and off-grid PV systems.



Future

High-performmance photovoltaic modules made of polycrystalline (156.5 mm)2 silicon Solar cells with module efficiencies of upto 15.2%

- 3 busbar technology for enhancing the power output..
- Anti-reflex coating to increase light absorption.
- Production controlled positive power tolerance from 0 to +5%.

Only modules will be delivered that have the specified power or more for high energy yield.

- Delivery of modules in 10-watt intervals.
- Improved temperature coefficient to reduce power losses at higher temperatures.
- High power performance even at lower irradiations.



Quality PV module DuSol

Continual checks guarantee a consistently high level of quality. Every module undergoes visual, mechanical, and electrical inspection.

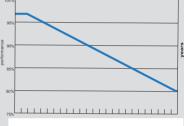
This is recognisable by means of the original Dusol label, the serial number, and the DuSol guarantee:

- 10 years product guarantee
- 25 years linear performance guarantee

Electrical Specifications (STC)

- Minimum 96% of the specified minimum power output during the first year
- Maximum 0.667% annual reduction of the power output for following 24 years









Certificates and approvals



All modules are tested and certified according to:

- IEC/EN 61215 and IEC/.EN 61730, Application class A
- Protection class / CE

DS72290 DS72300 DS72310 DS72320 Nominal power 290 300 310 320 Pmax Wp Open-circuit voltage 45 45.3 45.7 Voc 46.2 Short circuit current 8.57 8.94 8.79 8.9 Voltage at maximum power Vmpp 36.3 36.5 36.8 36.2 8.42 Maximum power current 8.00 8.22 8.60 Α Impp 15.19 % Efficiency module 14.68 15.70 16.20 STC = Standard Test Conditions: Irrandiance 1,000/m, AM 1.5, Cell Temperature 25 C Rated Electrical Characteristics are within + % of the Indicated Values of Isc, Voc

and 0 to 5%+ of Pmax (power measurement tolerance + %3).

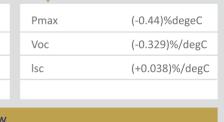
Electrical Specifications (NOCT)

		DS72290	DS72300	DS72310	DS72320	
Nominal power	Pmax	222.53	230.2	237.87	245.55	Wp
Open-circuit voltage	Voc	44.90	45.2	45.70	46.20	V
Short circuit current	Isc	6.96	7.26	7.14	7.23	Α
Voltage at maximum power	Vmpp	34.97	35.2	35.51	35.90	V
Nominal Operating Cell Temperature	Impp	47.50	47.50	47.50	47.50	C 0

NOCT: Module operating temperature at 800 W / m² irradiance, air temperature of 20 C, wind speed of 1 m / s. **Mechanical Data**



Length	1955(+/-3.0mm)
Width	990mm(+/-2.0mm)
Depth	42mm(+/-0.8mm)
Weight	26.7kg
	Rear View

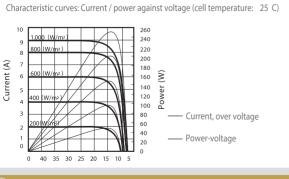


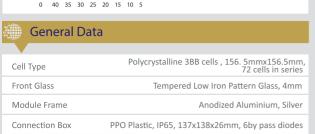
4 × Mounting Holes

Temperature Co - efficient

Cable

Connector





SMK (MC4 kompatibel), Typ CCT 9901-2361F/2451F (katalognr. P51-7H/R51-7), IP67 Please only use SMK connector of said series or MultiContact AG connector (PV KST04 / PV KBT04)

4mm2, length 1000mm

1000 ±50 935

Registration

DuSol Solar guarantees the safety, quality and value of your product over many years the only thing we ask you to do is to register your modules with the

1607

Serial number, so that we can send you the guarantee certificate register your modules quickly and easily at www.Dusol.ae