For a Free Quote:

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Solar Panel Guide Specification Data Sheet

Dusol DS5-60(M2) DS560320M

Also available on the web at EnergyPal.com/dusol-solar-panels/ds560320m



DuSol PV modules are proudly manufactured using state of the art machines using high quality raw-materials

www.DuSol.ae

Superior Durability, High Efficiency



DS560-M Series (60 Cells) 315W | 320W | 325W | 330W



General Description

As a solar specialist with more than 30 years 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 Perc mono-crystalline 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 economically, and are suitable for installations in on- and off-grid PV systems.



Future

High-performance photovoltaic modules made of Perc mono-crystalline(156.75mm) silicon. DuSol solar cells with module efficiencies of 20% or higher.

- 5 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 specific power or more for high energy yield.

- · Delivery of modules in 5 watt intervals.
- Improved temperature coefficient to reduce power losses at higher temperatures.
- · High power performance even at lower irradiations.

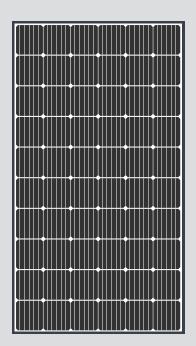


Quality PV Modules from DuSol

Continual checks guarantee a consistently high level of quality. Every modules 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.
- 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
- ISO9001 (DAC)

Electrical Specifications (STC) **DS560315M DS560320M** DS560325M **DS560330M** Nominal Power Pmax 315 320 325 330 W Open-circuit Voltage Voc 40.84 41.05 41.21 41.32 ٧ **Short Circuit Current** 9.84 9.86 9.88 9.89 sc Α Voltage at Maximum Power Vmpp 33.94 34.33 34.72 35.10 V Maximum Power Current 9.28 9.32 9.36 **I**mpp 9.4 Α 19.38 19.68 19.99 20.30 % Efficiency Module n

STC = Standard Test Conditions: Irradiance 1,000W/m2,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 ± 5%).

Electrical Specifications (NOCT)

		DS560315M	DS560320M	DS560325M	DS560330M	
Nominal Power	Pmax	232.84	236.63	240.41	244.16	W
Open-circuit Voltage	Voc	37.73	37.94	38.10	38.21	V
Short Circuit Current	Isc	7.87	7.88	7.90	7.91	Α
Voltage at Maximum Power	Vmpp	30.83	31.22	31.61	32.00	V
Maximum Power Current	I mpp	7.55	7.57	7.60	7.62	А
Cell Tem ('C)	T deg	47.5	47.5	47.5	47.5	С

Mechanical Data

NOCT (47.5°C): Module operating temperature at 800 W/m² irradiance, air temperature of 20°C, wind speed of 1 m/s

Limits Max Permissible System Voltage 1500VDC Max Reverse Current 14A Operating Tem (-40 to +85) deg C Max Mechanical Load 2400 N/m²

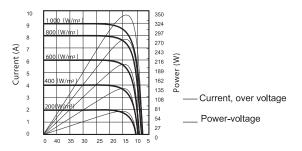
Length	1955(+/-3.0mm)
Width	990mm(+/-2.0mm)
Depth	42mm(+/-0.8mm)
Weight	19.5kg

software.	
Pmax	(-0.44) %/°C
Voc	(-0.329) %/°C
Isc	(+0.038) %/°C

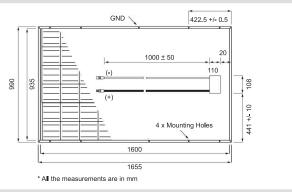
Temperature Co - effcient

Characteristics

Characteristics curves: Current / power against voltage (cell temperature: 25 C)







General Data

Cell Type	Perc mono-crystalline 5BBCells,156.75mmx156.75mm, 60cells in series
Front Glass	Tempered Low Iron Pattern Glass, 3.2mm
Module Frame	Anodized Aluminium, Silver
Connection Box	PPO PA, IP67, 110x108x19xmm, 3by pass diodes
Cable	4mm2, length 1000mm
Connector	SMK (MC4 Compatible), Typ CCT 9901-2361F/2451F (katalognr. P51-7H/R51-7), IP67

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

Please only use SMK connector of said or MultiContact AG connector (PV KST04)

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