



DS36-MONO Series (36 Cells) 20wp

General Description

As a solar specialist with more than 30 years of experience in photovoltaic (PV), DuSol has made and continues to make significant contribution to undertaking groundbreaking progress in solar technology. DuSol photovoltaic modules are designed for applications with high power requirements. These quality MONO-PERC modules produce a continuous, reliable yield, even under demanding operational conditions. All DuSol DS series modules offer system integration configurations which are optimal both technically and economically and are suitable for installations in on and off-grid PV systems.

Future

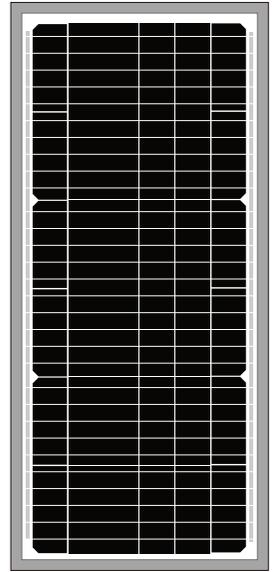
High-performance photovoltaic modules made of MONO-PERC (36x91)mm² silicon DuSol solar cells with module efficiencies of 20.5% or higher.

- 10 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 specific power or more for high energy yield.
- Delivery of modules in 5watt intervals.
- Improved temperature coefficient to reduce power losses at higher temperatures.
- High power performance even at lower irradiation.

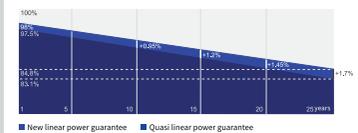
Quality PV Modules from DuSol

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

- 10 years product guarantee.
- 25 years linear performance guarantee.
- Minimum 97% of the specified minimum power output during the first year.
- Modular design gives the end customers the power of choice of capacity
- Compatible with most of the available Hybrid inverters
- Maximum 0.55% annual reduction of the power output for the following 25 years.



Linear attenuation of 0.55% per year for 25 years



Desert sand storm test passed
 (MITC INTERCERT)



Salt spray test passed



Certificates and approvals

All modules are tested and Certified according to

- IED/EN 61215 and IEC/EN 61730, Application class A
- Protection class / CE
- ISO9001 (DAC)

Electrical Specification (STC)

DS3620M

Nominal Power	Pmax	20W
Open-circuit Voltage	Voc	24.52V
Short Circuit Current	Isc	1.02A
Voltage at Maximum Power	Vmpp	21.71V
Maximum Power Current	Impp	0.92A
Efficiency Module	n	12.43%

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 Specification (NOCT)

DS3620M

Nominal Power	Pmax	14.78W
Open-circuit Voltage	Voc	22.66V
Short Circuit Current	Isc	0.82A
Voltage at Maximum Power	Vmpp	19.85V
Maximum Power Current	Impp	0.74A
Cell Tem (°C)	T deg	47.50°C

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	600VDC
Max Reverse Current	25A
Operating Tem	(-40 to +85) deg C
Max Mechanical Load	2400 N/m ²

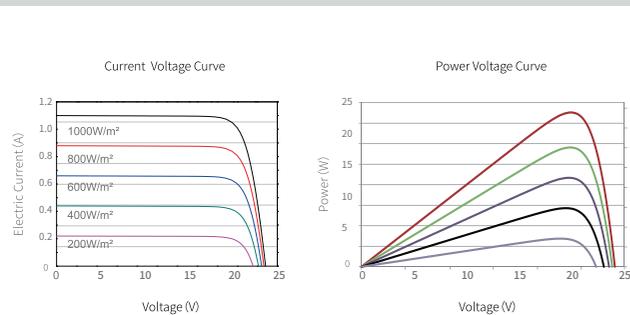
Mechanical Data

Length	280mm(+ / -3.0 mm)
Width	590mm(+ / -2.0mm)
Depth	25mm(+/-0.8mm)
Weight	1.83kg

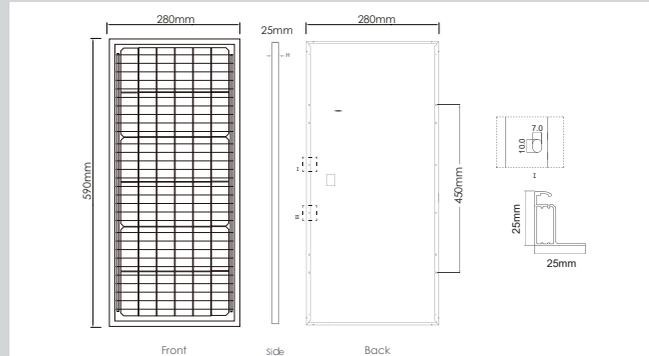
Temperature Co-efficient

Pmax	(-0.34) %/°C
Voc	(-0.27) %/°C
Isc	(+0.045) %/°C

Characteristics



Rear View



General Data

Cell Type	Mono PERC 10BB Cells (36x91)mm ² , 36 cells in series
Front Glass	3.2mm low iron high tempered glass, AR coated
Module Frame	Anodized Aluminium, Silver
Connection Box	PPO PA, bypass diodes
Cable	N/A
Connector	N/A

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

SCAN HERE

