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Solar Panel Guide Specification Data Sheet

Dusol DS3650 DS3650

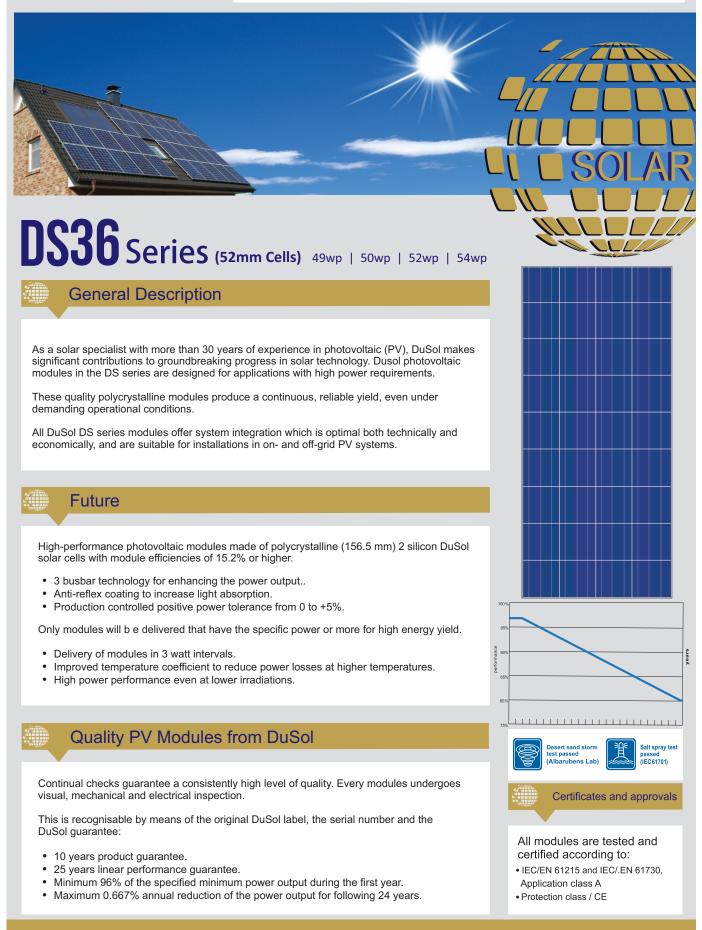
Also available on the web at EnergyPal.com/dusol-solar-panels/ds3650



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

www.DuSol.ae

Superior Durability , High Efficiency



Electrical Specifications (STC)

| | | DS3649 | DS3650 | DS3652 | DS3654 | |
|--------------------------|------|----------|--------|----------|---------|----|
| Nominal Power | Pmax | 49 | 50 | 52 | 54 | Wp |
| Open-circuit Voltage | Voc | 22.12 | 22.3 | 22.6 | 22.84 | V |
| Short Circuit Current | lsc | 2.983958 | 3.02 | 3.099393 | 3.18478 | А |
| Voltage at Maximum Power | Vmpp | 18.37 | 18.2 | 18.64 | 18.94 | V |
| Maximum Power Current | Impp | 2.667 | 2.747 | 2.790 | 2.851 | А |
| Efficiency Module | m | 13.9 | 14.18 | 14.75 | 15.32 | % |

STC = Standard Test Conditions: Irradiance 1,000/m,AM 1.5, Cell Temperature 25C 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)

| | | DS3649 | DS3650 | DS3652 | DS3654 | |
|--------------------------|------|--------|--------|--------|--------|----|
| Nominal Power | Pmax | 35.89 | 36.69 | 38.17 | 39.67 | Wp |
| Open-circuit Voltage | Voc | 20.25 | 20.47 | 20.73 | 20.93 | V |
| Short Circuit Current | lsc | 2.38 | 2.41 | 2.47 | 2.54 | А |
| Voltage at Maximum Power | Vmpp | 16.50 | 16.36 | 16.77 | 17.07 | V |
| Maximum Power Current | Impp | 2.17 | 2.24 | 2.27 | 2.32 | А |

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

| Max Permissible System Voltage 1000VDC Length | 535(+/-3.0mm) | Pmax | (-0.44)%degeC |
|--------------------------------------------------|-----------------|------|----------------|
| Max Reverse Current 15A Width | 670mm(+/-2.0mm) | Voc | (-0.329)%/degC |
| Operating Tem (-40 to +85) deg C Depth | 34mm(+/-0.8mm) | lsc | (+0.038)%/degC |
| Max Mechanical Load 2400 N/m ² Weight | 4.7kg | | |

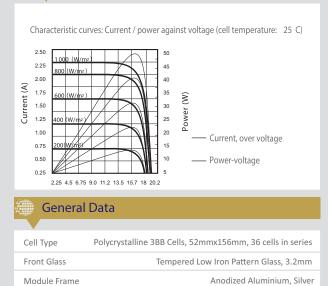
Characteristics

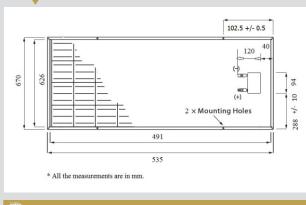
Connection Box

Cable

Connector

Rear View





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 register your modules quickly and easily at www.Dusol.ae

Please only use SMK connector of said series or MultiContact AG connector (PV KST04 / PV KBT04)

PPO Plastic, IP65, (120x94)mm, 2by pass diodes

N/A

N/A

www.DuSol.ae Superior Durability , High Efficiency

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