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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		

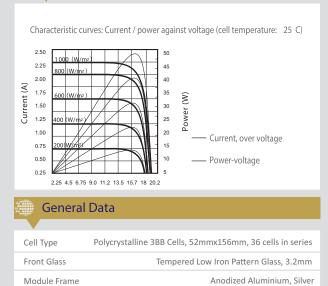
Characteristics

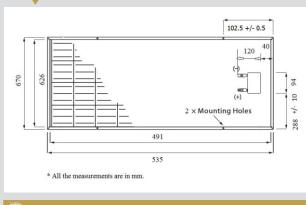
Connection Box

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

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