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Solar Panel Guide Specification Data Sheet

Modultec GmbH & Co. KG

MTS 285-300M-24V

MTS 285M-24V

Also available on the web at
EnergyPal.com/modultec-gmbh-co-kg-solar-panels/mts-285m-24v

Solar Module (MTS 285M-24V – MTS 300M-24V)

Model Number	MTS 285M-24V	MTS 290M-24V	MTS 295M-24V	MTS 300M-24V
Solar cell(156*156mm)	Mono	Mono	Mono	Mono
Maximum power (Wp)	285Wp	290Wp	295Wp	300Wp
Maximum power voltage (V)	36.10	36.30	36.40	36.50
Maximum power current (A)	7.89	8.00	8.11	8.22
Open circuit voltage (V)	44.70	44.70	44.90	45.00
Short circuit current (A)	8.40	8.51	8.63	8.74
Cell Efficiency (%)	16.5	16.9%	17.2%	17.5%
Module Efficiency (%)	13.86%	14.3%	14.5%	14.7%
Number of cells (Pc's)	72(6*12)			
Size of module (mm)	1956x992x50mm			
Maximum system voltage (V)	1000V			
Temperature coefficients of Isc (%)	+ 0.065/°C			
Temperature coefficients of Voc (%)	-0.346/°C			
Temperature coefficients of Pm (%)	-0.488/°C			
Temperature coefficients of Im (%)	+0.1/°C			
Temperature coefficients of Vm (%)	-0.38/°C			
Temperature Range	-40°C — +80°C			
Surface Maximum Load Capacity	60m/s(200kg/m ²)			
Allowable Hail Load	steel ball fall down from 1m height			
Weight per piece (kg)	23			
Junction Box Type	PV-RH0301(TUV)			
Connectors and Cables Type	With TUV certificate			
Length of Cables (mm)	1300 mm			
Output tolerance (%)	+/-3%			
Frame (Material, Corners, etc.)	Aluminum			
Standard Test Conditions	1000 w/m ² AM1.5 25°C			
Warranty	5 years product warranty and 10years 90% + 25years 80% of power output			
FF (%)	≥72%			
Certificate	CE TUV IEC 61215 IEC 61730			
Quantity of one 20ft container	210 pcs			