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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Modultec GmbH & Co. KG**

**MTS 305-310M-24V**

**MTS 310M-24V**

Also available on the web at  
[EnergyPal.com/modultec-gmbh-co-kg-solar-panels/mts-310m-24v](http://EnergyPal.com/modultec-gmbh-co-kg-solar-panels/mts-310m-24v)

## Solar Module (MTS 305M-24V – MTS 310-24V)

Model Number	MTS 305M-24V	MTS 310M-24V
Solar cell(156*156mm)	Mono	Mono
Maximum power (Wp)	<b>305Wp</b>	<b>310Wp</b>
Maximum power voltage (V)	36.60	36.70
Maximum power current (A)	8.34	8.45
Open circuit voltage (V)	45.10	45.20
Short circuit current (A)	8.85	8.96
Cell Efficiency (%)	17.8%	18%
Module Efficiency (%)	14.9%	15.15%
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 <sup>2</sup> )	
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 <sup>2</sup> 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	