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Solar Panel Guide Specification Data Sheet

**Telema S.p.A.
TM110/120TF
TM115TF**

Also available on the web at
EnergyPal.com/telema-s-p-a-solar-panels/tm115tf

Specifications of TM110/120TF Photovoltaic Modules

Electrical Characteristics



Typical Electrical Characteristics THIN FILM SERIES (Tandem)

Model Number	TM110TF	TM115TF	TM120TF
Rated Maximum Power (Pmax)	110W	115W	120W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W
Maximum Power Voltage (Vmp)	89,46V	92,70V	96,00V
Maximum Power Current (Imp)	1,23A	1,24A	1,25A
Open Circuit Voltage (Voc)	129,11V	132,07V	129,80V
Short Circuit Current (Isc)	1,52A	1,53A	1,51A
Maximum System Voltage (VDC)	1000V		
Module Efficiency	> 9%	> 9%	> 9%
Nominal Operating Cell Temperature	45°C +/- 3°C		
Temp. coefficient	-0,25% / 0,07% / -0,30%		
Solar Cell Type	a-Si / μ c-Si (Tandem)		
Standard Test Condition	STC: AM=1.5, 1000W/m ² , Module Temperature 25°C		
Operating Temperature	-40°C ÷ +85°C		
Product Certifications	IEC 61646, IEC 61730 & CE		

Mechanical Characteristics

Dimensions and Weight	1100 x 1300 x 6,8 mm – 27,5 kgs
Frame	No frame

NOTE: modifications to technical data are possible without prior notice. ID 06072010

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