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Solar Panel Guide Specification Data Sheet

Polar Photovoltaics Co., Ltd.

TFSM-T-X

TFSM-T-3/X

Also available on the web at
EnergyPal.com/polar-photovoltaics-co-ltd-solar-panels/tfsm-t-3-x

Spec.	Part No	TFSM-T-5/X	TFSM-T-4/X	TFSM-T-3/X
	Maximum stabilized power rating under standard test conditions:		Wp=52W±5%	Wp=50W±5%
Rated operating voltage:		Vm=61V±5%	Vm=61V±5%	Vm=61V±5%
Rated operating current:		Im=0.85A±5%	Im=0.82A±5%	Im=0.79A±5%
Open circuit voltage:		Voc=79V±5%	Voc=79V±5%	Voc =79V±5 %
Short circuit current:		Isc=0.97A±5%	Isc=0.97A±5%	Isc=0.97A±5%
Temperature coefficients:		Isc = 0.09% /°C ; Voc = -0.26% /°C ; Pm =-0.2% /°C		
Bypass diode:		10 A 1000 V		
Maximum system voltage:		600V (UL) / 1000V (TUV)		
Stabilized conversion efficiency:		7.5%	7.1%	6.9%
Lateral structuring:		Laser pattern		
Framed:		Framed/frameless		
Dimensions: Width x Length x Depth		643 mm x 1253 mm x 27 mm (framed) 635 mm x 1245 mm x 7mm (frameless)		
Temperature range:		- 40°C to+85°C		
Weight:		13.7KG (framed); 12.5kg(frameless)		
Packing specification:		1650 Pieces (framed); 1800 Pieces (frameless) / 40ft container		
Spec.	Part No	TFSM-T-2/X	TFSM-T-1/X	TFSM-T-0/X
	Maximum stabilized power rating under standard test conditions:		Wp = 46W±5%	Wp = 44W±5 %
Rated operating voltage:		Vm=60V±5%	Vm =60V±5%	Vm=58V±5%
Rated operating current:		Im=0.77A±5%	Im=0.74A±5%	Im=0.72A±5 %
Open circuit voltage:		Voc=79V±5 %	Voc=79V±5%	Voc=78V±5 %
Short circuit current:		Isc=0.97A±5%	Isc=0.93A±5%	Isc=0.92A±5 %
Temperature coefficients:		Isc=0.09%/°C; Voc =-0.26%/°C; Pm =- 0.2%/°C		
Bypass diode:		10 A 1000 V		
Maximum system voltage:		600V (UL) / 1000V (TUV)		
Stabilized conversion efficiency:		6.6%	6.3%	6.0%
Lateral structuring:		Laser pattern		
Framed:		Framed/frameless		
Dimensions: Width x Length x Depth		643 mm x 1253 mm x 27 mm (framed) 635 mm x 1245 mm x 7mm (frameless)		
Temperature range:		- 40°C to+85°C		
Weight:		13.7KG (framed); 12.5kg(frameless)		
Packing specification:		1650 Pieces (framed); 1800 Pieces (frameless) / 40ft container		