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Solar Panel Guide Specification Data Sheet

**Tommatech GmbH
TT310-325-60BPM
TT325-60BPM**

Also available on the web at
EnergyPal.com/tommatech-gmbh-solar-panels/tt325-60bpm

BIFACIAL PERC MONOCRYSTALLINE 60BPM



GERMAN-based company

- ◆ TT310-60BPM 310 Wp ◆ TT320-60BPM 320 Wp
- ◆ TT315-60BPM 315 Wp ◆ TT325-60BPM 325 Wp

12 Year
Material and
Workmanship
Warranty

25 Years
Performance Warranty



High Conversion Efficiency

High panel efficiency to guarantee high power output



Self-Cleaning And Anti-Reflection Glass

Coating glass for self-cleaning reduces surface dust



Outstanding Low Irradiation Glass

Outstanding panel performance even in weak light conditions



Excellent Durability

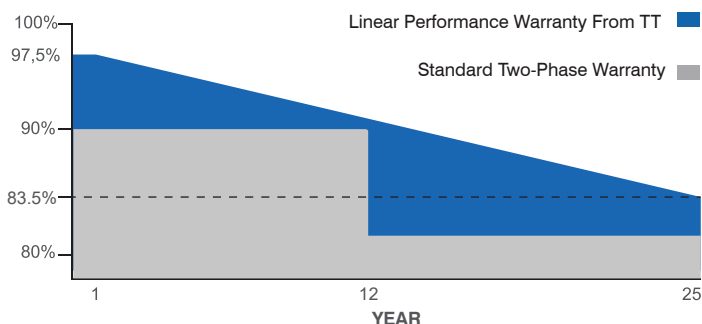
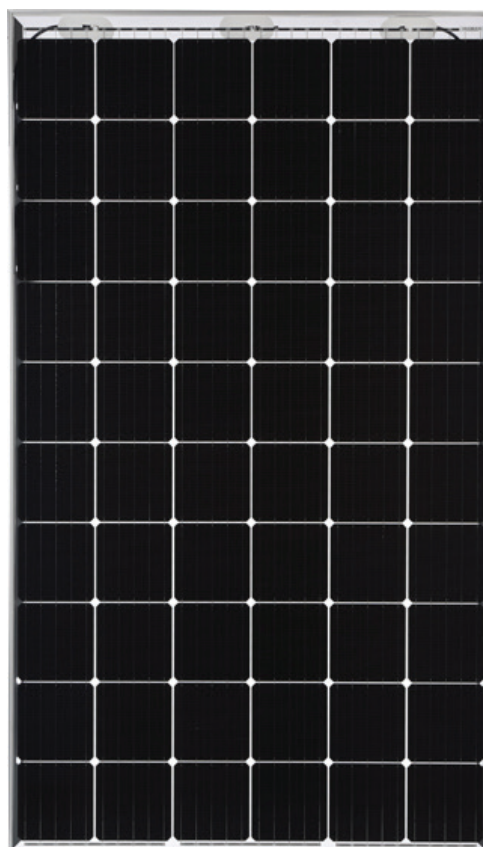
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5Wp Positive Power Tolerance



Easy Installation



25 Year Performance Warranty

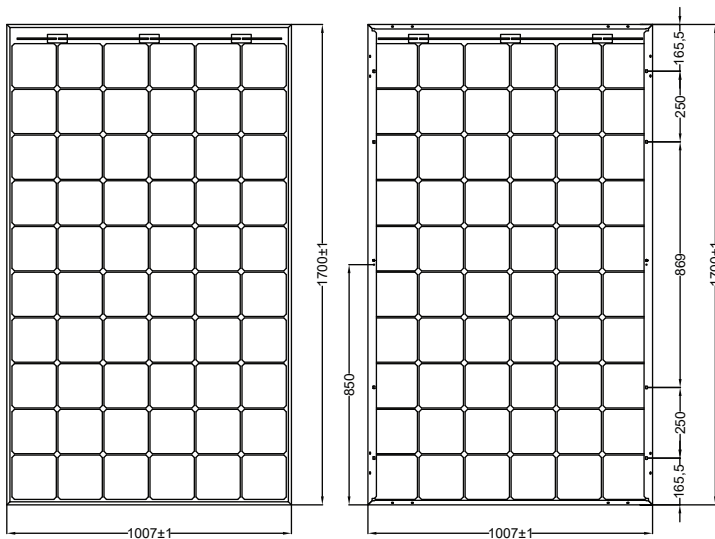


12 Year Material and Workmanship Warranty



Model Type		TT310-60BPM			TT315-60BPM			TT320-60BPM			TT325-60BPM		
FRONT SIDE	Peak Power (Pmax)	310 Wp			315 Wp			320 Wp			325 Wp		
	Module Efficiency	18,91			19,21			19,52			19,82		
	Maximum Power Voltage (Vmp)	33,08			33,16			33,23			33,31		
	Maximum Power Current (Imp)	9,38			9,50			9,63			9,76		
	Open Circuit Voltage (Voc)	39,06			39,12			39,20			39,28		
	Short Circuit Current (Isc)	10,03			10,17			10,31			10,45		
BACK SIDE		%5	%15	%25	%5	%15	%25	%5	%15	%25	%5	%15	%25
	Peak Power (Pmax)	326 Wp	357 Wp	388 Wp	331	362 Wp	394 Wp	336 Wp	368 Wp	400 Wp	341 Wp	374 Wp	406 Wp
	Module Efficiency	19,85	21,74	23,63	20,17	22,09	24,01	20,49	22,44	24,39	20,81	22,79	24,77
Power Tolerance		0~+5W											
Maximum System Voltage		1000V DC											
Nominal Operating Cell Temp.		-40 ~ +85°C											
Fire Safety		Class C											
Maximum Series Fuse Rating		15A / 20A											

PHYSICAL CHARACTERISTICS



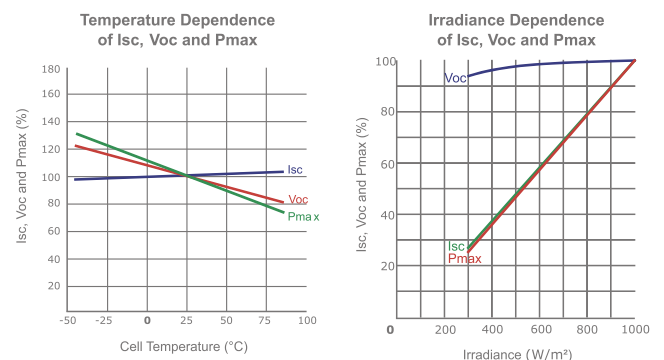
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (Isc)	0.048%/°C
Temp. Coeff. of (Voc)	-0.28%/°C
Temp. Coeff. of (Pmax)	-0.37%/°C

MECHANICAL SPECIFICATIONS

Cell Dimensions	156,75 mm x 156,75 mm
Cells per Module	60 (6X10)
Weight	18,8 kg
Panel Dimensions	1700x1007x35mm
Max. Wind/Snow Load	2400/5400 Pa
Junction Box	IP67

ELECTRICAL CHARACTERISTICS



*Note: The specifications are obtained under the standard test conditions: 1000W/m² solar irradiance, 1.5 Air Mass and cell temperature of 25°C. The NOCT is obtained under the Test Conditions 800W/m² solar radiation, ambient temperature 20°C, wind speed 1m/s. Measurement uncertainty for all panels is 6%. The actual transactions will be subject to the contracts. These parameters are for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.