

BIFACIAL PERC MONOCRYSTALLINE 60PM

TOMMATECH
GmbH
GERMAN-based company

◆ TT333-60BPM 335 Wp ◆ TT325-60BPM 325 Wp
◆ TT330-60BPM 330 Wp ◆ TT320-60BPM 320 Wp



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

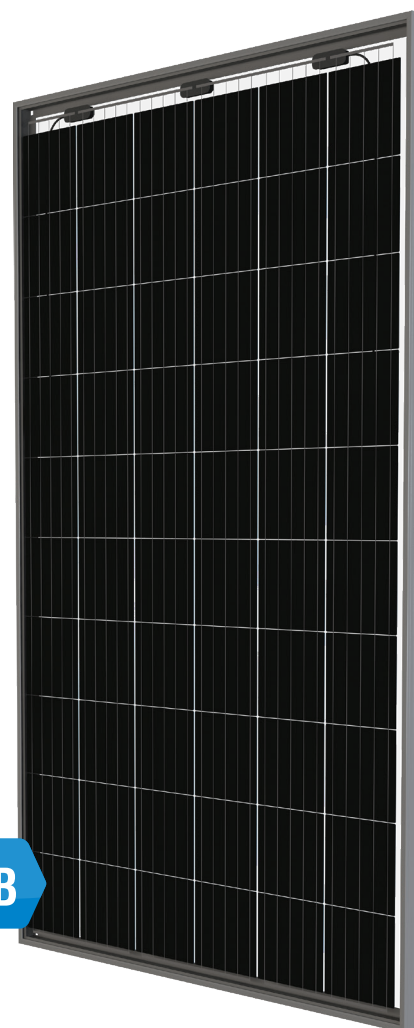
Wind load up to 2400 Pa, Snow load up to 5400 Pa



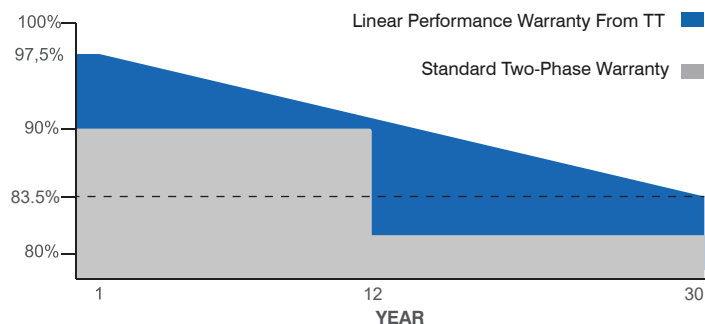
0~+5W Positive Power Tolerance



Easy Installation



5BB

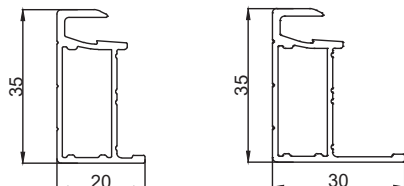
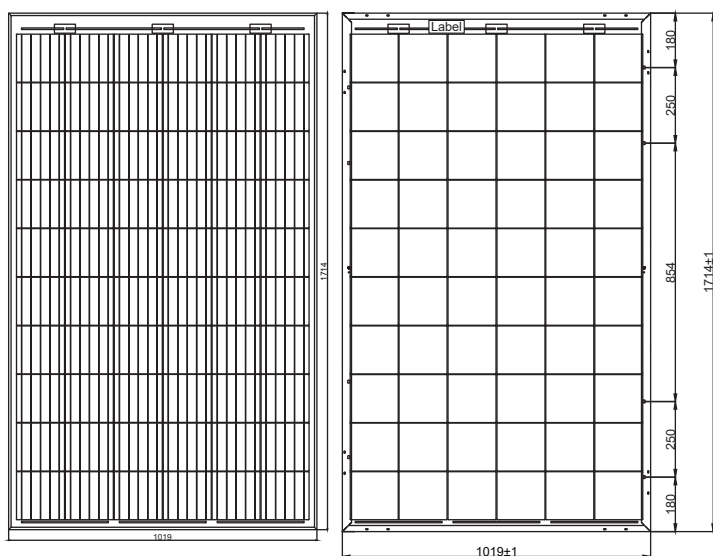


IEC 61215, IEC 61730-1, IEC 61730-2
IEC 62804 PID (POTANSİYEL KAYNAKLI BOZULMA / POTENTIAL INDUCED DEGRADATION)
IEC 61701 TUZ KOROZYON / SALT MIST CORROSION
IEC 62716 AMONYAK KOROZYON / AMMONIA CORROSION
ISO 9001:2015, ISO 14001:2015, OHSAS 45001:2018

✓ 30 Year Performance Warranty ✓ 12 Year Material and Workmanship Warranty

Model Type		TT320-60BPM			TT325-60BPM			TT330-60BPM			TT335-60BPM		
FRONT SIDE	Peak Power (P _{max})	320 Wp			325 Wp			330 Wp			335 Wp		
	Module Efficiency	18,43			18,68			18,95			19,25		
	Maximum Power Voltage (V _{mp})	33,83			33,99			34,24			34,45		
	Maximum Power Current (I _{mp})	9,48			9,56			9,64			9,73		
	Open Circuit Voltage (V _{oc})	40,93			41,11			41,29			41,53		
	Short Circuit Current (I _{sc})	10,06			10,15			10,22			10,31		
BACK SIDE		%5	%15	%25	%5	%15	%25	%5	%15	%25	%5	%15	%25
	Peak Power (P _{max})	336 Wp	368 Wp	400 Wp	341,25	373,75 Wp	406,5 Wp	346,5 Wp	376,5 Wp	412,5 Wp	351,75 Wp	385,25 Wp	418,75 Wp
	Module Efficiency	19,31	21,14	22,98	19,61	21,47	23,34	19,91	21,80	23,70	20,21	22,14	24,06
	Power Tolerance	0~+5W											
	Maximum System Voltage	1000V DC / 1500V DC											
	Operating Temperature	-40 ~ +85°C											
	Fire Safety Class	C											
	Maximum Series Fuse Rating	15A / 20A											

PHYSICAL CHARACTERISTICS



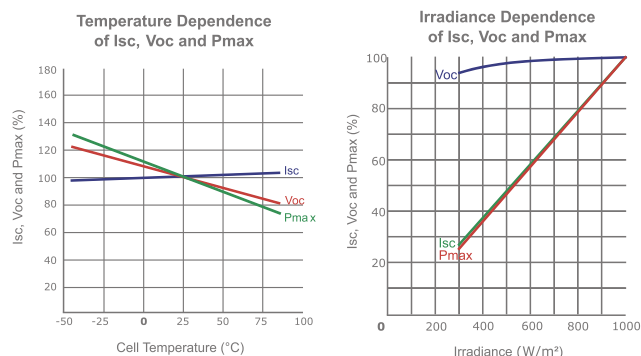
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of I _{sc}	0.04%/°C
Temp. Coeff. of V _{oc}	-0.26%/°C
Temp. Coeff. of P _{max}	-0.35%/°C

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	158,75 x 158,75
Cells per Module(pcs)	60 (6X10)
Weight(kg)	19,5
Panel Dimensions(mm)	1714x1019x35
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP67 / IP68

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.