BIFACIAL BIPV PERC MONOCRYSTALLINE 80-64-48PMKB12







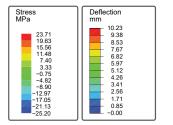
Model Type	48PMKB12-150	48PMKB12-175	64PMKB12-200	80PMKB12-250			
Peak Power (Pmax)	240 Wp	240 Wp	320 Wp	400 Wp			
Module Efficiency	16.33	14	16.33	16.33			
Maximum Power Voltage (Vmp)	27.70	27.70	36.93	46.16			
Maximum Power Current (Imp)	8.67	8.67	8.67	8.67			
Open Circuit Voltage (Voc)	32.50	32.50	43.33	54.16			
Short Circuit Current (Isc)	9.11	9.11	9.11	9.11			
Cell Dimensions(mm)	48(6x8)	48(6x8)	64(8x8)	80(10x8)			
Cells per Module	210x105	210x105	210x105	210x105			
Panel Dimensions (mm)	1500x980x7.6	1750x980x7.6	2000x980x7.6	2500x980x7.6			
Weight (kg)	29.13	33.66	38.44	48.10			
Transparent Area (%)	27	38	27	27			
Front / Back Glass Thickness (mm)	3.2 / 4.0						
Power Tolerance	0~+5W						
Maximum System Voltage	1500V DC						
Nominal Operating Cell Temp.	-40 ~ +85°C						
Protection Class	Class II						
Maximum Series Fuse Rating	20A						
Max. Wind/Snow Load (Pa)	2400 / 2400						
Junction Box	IP68						
Junction Box Cable Length(cm)	120						

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc	0.041%/°C
Temp. Coeff. of Voc	-0.280%/°C
Temp. Coeff. of Pmax	-0.360%/°C

PACKING CONFIGURATION

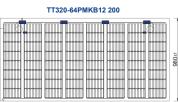
Module Model	48PMKB12	48PMKB12	64PMKB12	80PMKB12
Container	40' GP	40' GP	40' GP	40' GP
Pieces per Pallet	15	15	15	15
Pieces per Container	480	420	360	300
Pallet per Container	32	28	24	20
Weight of Pallet (kg)	470	530	615	730





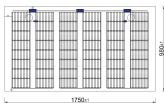
PHYSICAL CHARACTERISTICS



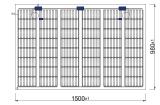


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TT240-48PMKB12 150



*Simulation Results Under 2400Pa Pressure

* The specifications are obtained under the standard test conditions: 1000W/m2 solar irradiance, 1.5 Air Mass and cell temperature of 25°C. 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 technical specifications in this document may vary. For more information, refer to the "Installation Manual". * For roof, facades and installations on similar surfaces, solar panels should be mounted over a fire-resistant covering suitable for this application, with adequate ventilation between the back of the solar panels and the mounting surface. Improper installations are hazardous and may spark a fire. Solar panels must not be mounted on structures and roofs which are made of not fire-resistant materials without any fire-protection layer. Usage and installation not in accordance with the guidelines as outlined in the installation manual will terminate the warranty. Please refer to the installation manual and the warranty documents for further details.

* TommaTech® GmbH reserves the right to change the specification of products without prior notice.

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