

POLYCRYSTALLINE 36P



GERMAN-based company

- ◆ TT5-18P (5 Wp) ◆ TT55-36P (55 Wp)
- ◆ TT10-36P (10 Wp) ◆ TT85-36P (85 Wp)
- ◆ TT22-36P (22 Wp) ◆ TT110-36P (110 Wp)
- ◆ TT42-36P (42 Wp) ◆ TT170-36P (170 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

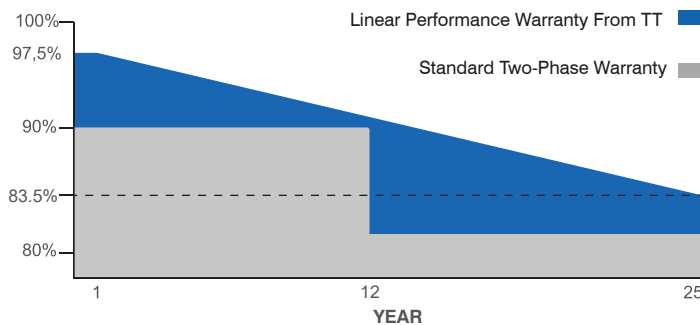
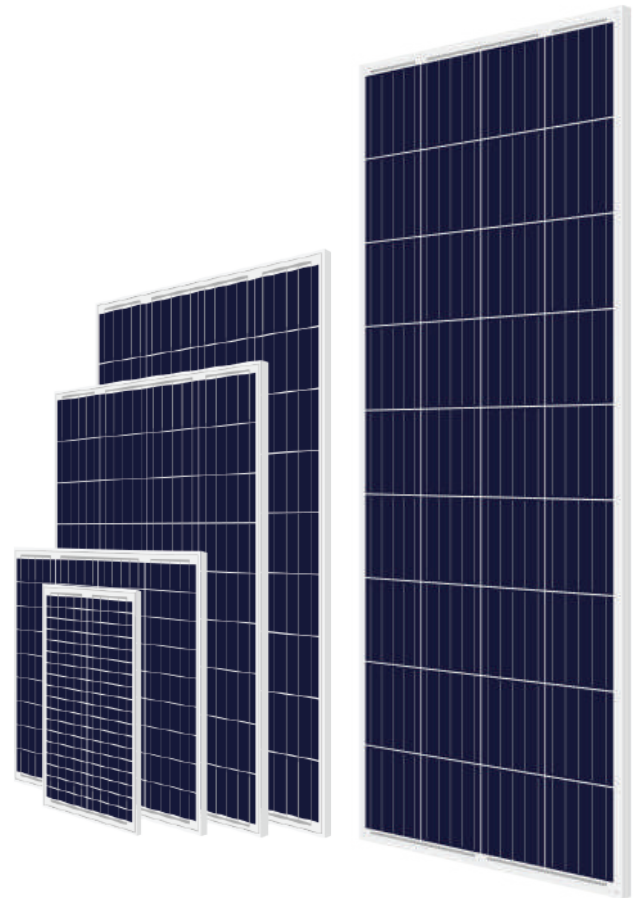
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~ +5Wp Positive Power Tolerance



Easy Installation



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



IEC 61215
IEC 61730 - 1 IEC 61730 - 2
IEC 62716 IEC 61701

Model Type	TT5-18P	TT10-36P	TT22-36P	TT42-36P	TT55-36P	TT85-36P	TT110-36P	TT170-36P
Peak Power (Pmax)	5 Wp	10 Wp	22 Wp	42 Wp	55 Wp	85 Wp	110 Wp	170 Wp
Maximum Power Voltage (Vmp)	9,86	19,73	19,73	19,73	19,73	19,73	19,73	19,73
Maximum Power Current (Imp)	0,51	0,51	1,12	2,13	2,83	4,31	5,58	8,62
Open Circuit Voltage (Voc)	11,61	23,22	23,22	23,22	23,22	23,22	23,22	23,22
Short Circuit Current (Isc)	0,54	0,54	1,19	2,26	3,00	4,51	5,81	9,02
Cell per Module	18(2x9)	36(4x9)	36(4x9)	36(4x9)	36(4x9)	36(4x9)	36(4x9)	36(4x9)
Cell Dimensions (mm)	20x78	20x78	39x78	39x157	52,25x157	78x157	97x157	156,75x157
Panel Dimensions (mm)	204x254x16	254x364x16	359x419x16	424x674x25	554x674x20	674x784x20	674x944x20	1488x675x35
Weight (kg)	0,64	1,4	1,75	3	4	7,4	9	10,8
Voltage (v)	9V	12V	12V	12V	12V	12V	12V	12V
Nominal Operating Cell Temp.	-40 ~ +85°C							

MECHANICAL SPECIFICATIONS

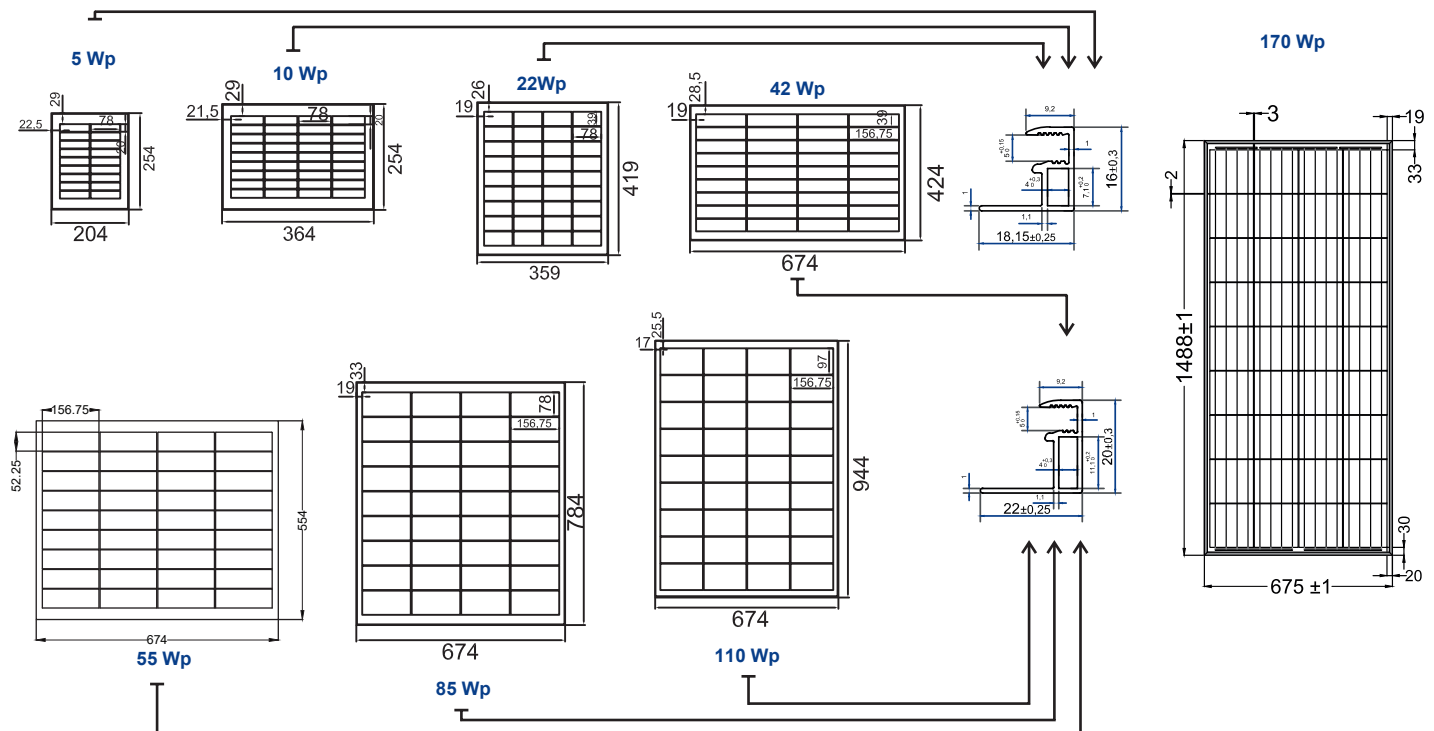
Solar Glass	3,2mm Low Iron, Tempered Glass		
Frame	Anodized Aluminum		
Junction Box	IP65 (5-85 Wp)		
Junction Box	IP67 (110-170 Wp)		
Cable	4mm ²		
Cable Length	55Wp 430mm	85Wp 475mm	170 Wp 1000mm

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (Isc)	0.06%/°C
Temp. Coeff. of (Voc)	-0.31%/°C
Temp. Coeff. of (Pmax)	-0.38%/°C
Nominal Working Cell Temperature (NOCT)	45°C±2°C

PHYSICAL CHARACTERISTICS

Unit: mm



*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.