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EnergyPal

Solar Panel Guide Specification Data Sheet

Tommatech GmbH

TT310-325-60PM

TT325 60PM

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

PERC MONOCRYSTALLINE 60PM



GERMAN-based company

- ◆ TT310-60PM 310 Wp
- ◆ TT320-60PM 320 Wp
- ◆ TT315-60PM 315 Wp
- ◆ TT325-60PM 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

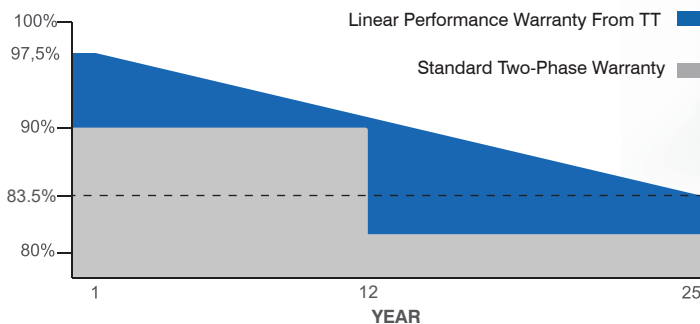
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5W Positive Power Tolerance



Easy Installation



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



| Model Type | TT310 60PM | TT315 60PM | TT320 60PM | TT325 60PM |
|------------------------------|---------------|---------------|---------------|---------------|
| 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 |
| 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 | | | |

MECHANICAL SPECIFICATIONS

| | |
|-----------------------------|-----------------------|
| Cell Dimensions | 156,75 mm x 156,75 mm |
| Cells per Module | 60 (6X10) |
| Weight | 18 kg |
| Panel Dimensions | 1648x995x35mm |
| Panel Dimensions (Optional) | 1640x990x35mm |
| Max. Wind/Snow Load | 2400/5400 Pa |
| Junction Box | IP67 |

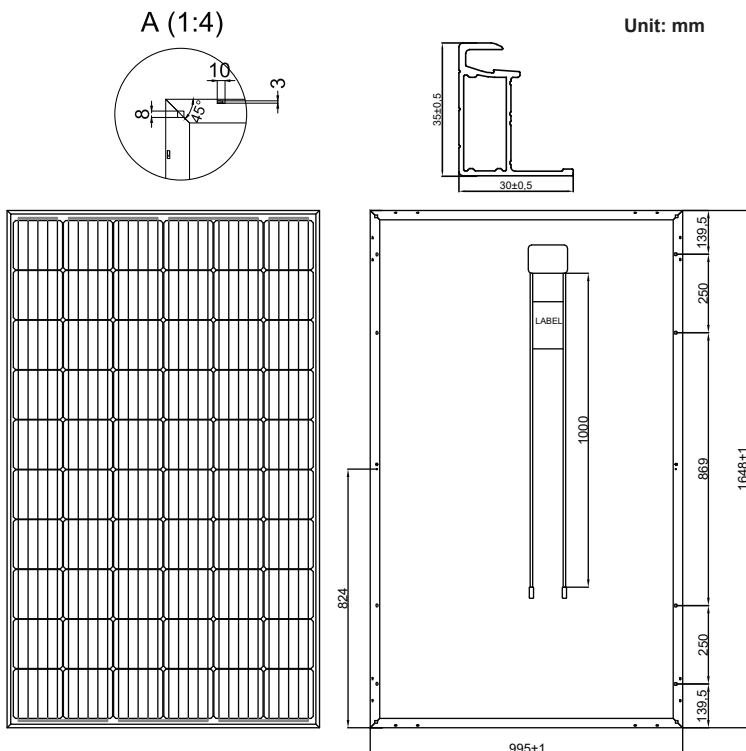
TEMPERATURE CHARACTERISTICS

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

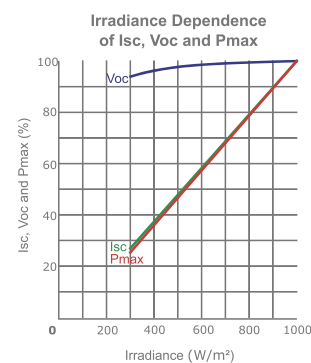
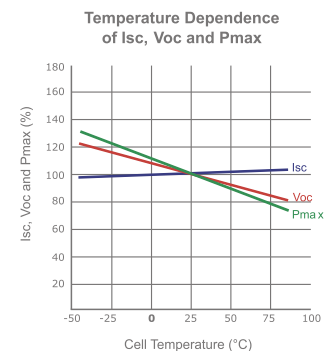
PACKING CONFIGURATION

| Container | 20' GP | 40' GP |
|----------------------|--------|--------|
| Pieces per Pallet | 31 | 31 |
| Pieces per Container | 372 | 938 |

PHYSICAL CHARACTERISTICS



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.