



Easy to install



Reliable

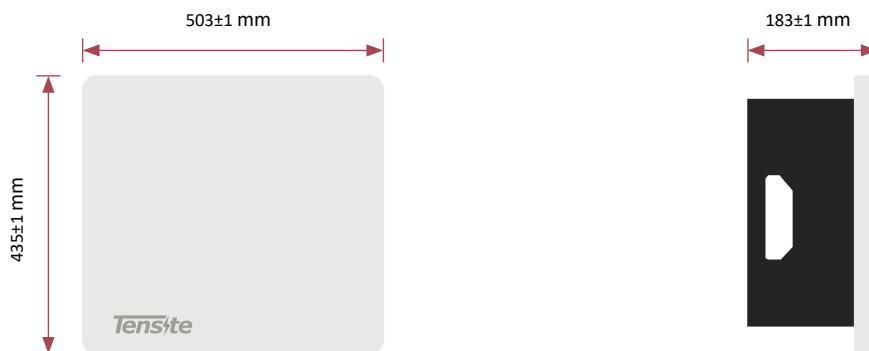


User friendly



10 Years Product Warranty

DIMENSIONS



| | | |
|---|--|--|
| Input (DC) | Max. PV array power | 30000 Wp STC |
| | Max. input voltage | 1100 V |
| | MPPT voltage range / Rated input voltage | 150 V a 1000 V / 630 V |
| | Min. input voltage / Initial feed-in voltage | 125 V / 180 V |
| | No. of independent MPPT inputs/ Strings per MPPT input | 2 / A:2 ; B:2 |
| | Max. operating input current | 32 A / 32 A |
| | Max. short circuit current | 48 A / 48 A |
| Output (AC) | AC voltage range | 160 V a 300 V |
| | | 220 V / 380 V |
| | AC nominal voltage | 230 V / 400 V |
| | | 240 V / 415 V |
| | Feed-in phases | 3 / 3-N-PE |
| | AC grid frequency / Range | 50 Hz/45 Hz a 55 Hz |
| | | 60 Hz/55 Hz a 65 Hz |
| | Rated active power | 20000 W |
| | Rated apparent power | 20000 VA |
| | Max. apparent power | 22000 VA ^{3 Y 4} |
| Adjustable power factor range | 0.8 leading - 0.8 lagging | |
| Max. output current | 31.9 A | |
| Harmonic distortion (THD) at rated output | < 3% | |
| Efficiency & Protection | Max. efficiency / European efficiency | 98.6% / 98.2% |
| | DC Switch | ● |
| | DC reverse polarity protection / AC short circuit protection | ● / ● |
| | All-pole-sensitive residual-current monitoring unit | ● |
| | Anti-islanding protection | ● |
| | Ground fault monitoring / Grid monitoring | ● / ● |
| | Surge protection | ● / Type II |
| | Protection class (according to IEC 62109-1) / Overvoltage category (according to IEC 62109-1) | I / AC: III; DC: II |
| General Data | Dimensions (W/H/D) | 503 / 435 / 183 mm |
| | Weight | 18.6 kg |
| | Operating temperature range | -25°C ... +60°C |
| | Topology | Non-isolated |
| | Self-consumption (at night) | < 1 W |
| | Cooling concept | Active cooling |
| | Degree of protection (according to IEC 60529) | IP66 |
| | Climatic category (according to IEC 60721-3-4) | 4K4H |
| | Max. permissible value for relative humidity (non-condensing) | 100% |
| | Max. operating altitude | 3000 m |
| Features | Communication interface ^{1 Y 2} | ● / ● / ○ / ○ / (RS485 / Wi-Fi / LAN / 4G) |
| | LED indicators (Status/Fault/Communication) | ● |
| | DC connection | Plug-in connector |
| | AC connection | Plug-in connector |
| | Mounting type | Wall-mount bracket |
| | Certificates and approvals (more available on request) | CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS 4777, C10/C11 |

● Standard features ○ Optional features - Not available

- Zero export installations supported with 2-pin RS485 for connection to approved smart meters.
- DRED compatible con comunicación RS485 para Australia y Nueva Zelanda.
- The overload setting is disabled as default for AS/NZS4777 grid codes.
- For European and AS/NZS4777 grid codes the max. apparent AC power is equal to the rated power.
Data at nominal conditions.
All information is subject to change.