

T SERIES



IP65 Weather Protection



Excellent Low Light Sensitivity



Rugged cast Aluminium Chassis



WiFi module as standard for free



5 Year Warranty Standard



Leading edge capacitor control technology



Dynamic MPPT efficiency >99.9%
(Euro efficiency >97.2%)

High quality electronic capacitors from



world leading supplier Epcos

Core components, from Fairchild and Infineon, long

lifetime and high efficiency



Intelligent microchips from

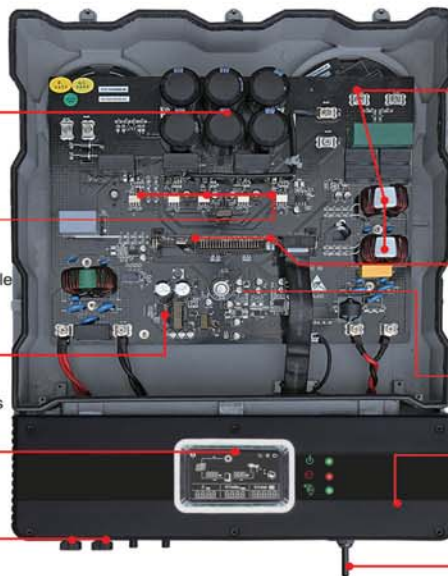


Microelectronicsenable

the inverter to operate from 75Volts

Anti-UV LCD display has a **50,000** hour continuous operation lifespan

Industry standard MC4 Connectors



Amorphous Core Components from



to ensure inverter operate stable

Dual Core Processor from



INSTRUMENTS

Relay from the international brand

Panasonic

Weatherproof AC connectors

Smart WiFi system from MARVELL allows consumers to monitor their PV system performance in real time

TECHNOLOGY PARAMETERS

| Model No | T1500TL | T2200TL | T3000TL |
|---|---|--------------|--------------|
| DC side/Input parameters | | | |
| Max. DC power [W] | 1800 | 2500 | 3400 |
| Max. DC voltage [Vdc] | 450 | 500 | 550 |
| Min. System start/Shut down voltage [Vdc] | 75/100 | 75/100 | 75/100 |
| MPPT voltage range[Vdc] | 100~450 | 100~500 | 100~550 |
| Max. input current [A] | 10 | 13 | 15 |
| Number of MPP trackers | 1 | 1 | 1 |
| Strings per MPP tracker | 1 | 2 | 2 |
| AC side/output parameters | | | |
| Nominal output power [W] | 1500 | 2200 | 3000 |
| Maximum output power [W] | 1650 | 2420 | 3300 |
| Nominal output voltage/range [V] | 208,220,230,240/180~270 | | |
| AC grid frequency/range [Hz] | 50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz | | |
| Maximum output current [A] | 8 | 12 | 17 |
| AC connection(with PE) | Single phase | Single phase | Single phase |
| Current distortion(THDi) [%] | <1.5 | <1.5 | <1.5 |
| Power factor [%] | > 99.9 | > 99.9 | > 99.9 |
| Efficiency | | | |
| Maximum conversion efficiency[%] | 97.3 | 97.4 | 97.5 |
| European efficiency[%] | 97 | 97.1 | 97.2 |
| MPPT efficiency[%] | 99.9 | 99.9 | 99.9 |
| Safety and protection | | | |
| DC reverse-polarity protection | yes | | |
| Anti-islanding / Overvoltage protection | yes | | |
| Short circuit protection | yes | | |
| Leakage current protection | yes | | |
| Grid monitoring / Ground fault monitoring | yes | | |
| DC/AC side varistors(thermally protected) | yes | | |
| General Parameters | | | |
| Dimension(L/W/H)[mm] | 375*480*136 | | |
| Weight (kg) | 14.5 | 15 | 15.6 |
| Embedded DC Switch | Optional | | |
| Night power consumption[W] | < 0.2 | | |
| Isolation type | Transformerless | | |
| Protection degree | IP65 according to IEC60529 | | |
| Operation temperature[°C] | -25 ~ 60 | | |
| Cooling concept | Natural convection | | |
| Operating Altitude[m] | <2000m without power derating | | |
| Acoustic noise level[dB] | <25 | | |
| Display | Graphic LCD | | |
| Communication Interface | Standard WIFI; RS485(optional) | | |
| Certificates and ApprovalsGeneral | CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2 | | |
| | IEC 61727/62116;G83-3/G59-3; EN50438VDE-0126-1-1; | | |
| | VDE-AR-N4105;AS4777.2;AS4777.3; CQC | | |
| Warranty | 5 years; 10/15/20 years for optional | | |

* More technical characteristics are available on demand and customized