

# T SERIES(G3)

## THREE-PHASE INVERTER

The T Series(G3) inverter range is designed for three-phase residential and small-scale commercial installations, delivering unrivalled performance and versatility for increased yield potential and extended generation windows.



3kW ...➡➡➡ 25kW



### HIGH PERFORMANCE

Low start-up voltage, wide voltage range, 98.6% maximum efficiency.



### EASY INSTALLATION

Flexible configuration, plug and play set-up.



### IP65 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



### REMOTE MONITORING

- Monitor your system remotely via smartphone App or Web portal.
- AI assistant helps better understand and manage your system.



Advanced System Monitoring  
with **FoxCloud 2.0**



TECHNICAL SPECIFICATIONS

| MODEL                                             | T3-G3                                                                                                                         | T4-G3 | T5-G3 | T6-G3 | T8-G3 | T10-G3 | T12-G3 | T15-G3   | T17-G3 | T20-G3 | T23-G3 | T25-G3 |  |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|--------|--------|----------|--------|--------|--------|--------|--|
| PV INPUT                                          |                                                                                                                               |       |       |       |       |        |        |          |        |        |        |        |  |
| Max. Input Power [W]                              | 4500                                                                                                                          | 6000  | 7500  | 9000  | 12000 | 15000  | 18000  | 22500    | 25500  | 30000  | 34500  | 37500  |  |
| Max. Input Voltage [V]                            | 1100                                                                                                                          |       |       |       |       |        |        |          |        |        |        |        |  |
| Start-up Input Voltage [V]                        | 140                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| Rated Input Voltage [V]                           | 600                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| MPPT Operating Voltage Range [V]                  | 140 ~ 1000                                                                                                                    |       |       |       |       |        |        |          |        |        |        |        |  |
| Max. Input Current [A]                            | 14                                                                                                                            | 14    | 14    | 14    | 14    | 14     | 14     | 28       | 28     | 28     | 28     | 28     |  |
| Max. Short-circuit Current [A]                    | 18.2                                                                                                                          | 18.2  | 18.2  | 18.2  | 18.2  | 18.2   | 18.2   | 36.4     | 36.4   | 36.4   | 36.4   | 36.4   |  |
| No. of Independent MPP Trackers                   | 2                                                                                                                             |       |       |       |       |        |        |          |        |        |        |        |  |
| No. of Strings per MPP Tracker                    | 1+1                                                                                                                           | 1+1   | 1+1   | 1+1   | 1+1   | 1+1    | 1+1    | 2+2      | 2+2    | 2+2    | 2+2    | 2+2    |  |
| AC OUTPUT                                         |                                                                                                                               |       |       |       |       |        |        |          |        |        |        |        |  |
| Rated Output Power [W]                            | 3000                                                                                                                          | 4000  | 5000  | 6000  | 8000  | 10000  | 12000  | 15000    | 17000  | 20000  | 23000  | 25000  |  |
| Max. Output Apparent Power [VA]                   | 3300                                                                                                                          | 4400  | 5500  | 6600  | 8800  | 11000  | 13200  | 16500    | 18700  | 22000  | 25300  | 27500  |  |
| Rated Grid Voltage [V]                            | 3/N/PE, 220/380, 230/400, 240/415                                                                                             |       |       |       |       |        |        |          |        |        |        |        |  |
| Rated Grid Frequency [Hz]                         | 50/60                                                                                                                         |       |       |       |       |        |        |          |        |        |        |        |  |
| Rated Output Current [A]                          | 4.5                                                                                                                           | 6.1   | 7.6   | 9.1   | 12.1  | 15.2   | 18.2   | 22.7     | 25.8   | 30.3   | 34.8   | 37.9   |  |
| Max. Output Current [A]                           | 4.8                                                                                                                           | 6.4   | 8.0   | 9.6   | 12.8  | 15.9   | 19.1   | 23.9     | 27.1   | 31.9   | 36.7   | 39.9   |  |
| Power Factor                                      | 1 (Adjustable from 0.8 leading to 0.8 lagging)                                                                                |       |       |       |       |        |        |          |        |        |        |        |  |
| THDi [%]                                          | <3                                                                                                                            |       |       |       |       |        |        |          |        |        |        |        |  |
| EFFICIENCY                                        |                                                                                                                               |       |       |       |       |        |        |          |        |        |        |        |  |
| MPPT Efficiency [%]                               | 99.8                                                                                                                          |       |       |       |       |        |        |          |        |        |        |        |  |
| European Efficiency [%]                           | 97.8                                                                                                                          |       |       |       |       |        |        |          |        |        |        |        |  |
| Max. Efficiency [%]                               | 98.6                                                                                                                          |       |       |       |       |        |        |          |        |        |        |        |  |
| PROTECTION                                        |                                                                                                                               |       |       |       |       |        |        |          |        |        |        |        |  |
| Insulation Monitoring                             | YES                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| Residual Current Monitoring                       | YES                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| PV String Current Monitoring                      | Yes                                                                                                                           |       |       |       |       |        |        | Optional |        |        |        |        |  |
| DC Reverse Polarity Protection                    | YES                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| Anti-islanding Protection                         | YES                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| AC Short-circuit Protection                       | YES                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| AC Overcurrent Protection                         | YES                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| AC Overvoltage Protection                         | YES                                                                                                                           |       |       |       |       |        |        |          |        |        |        |        |  |
| Surge Protection                                  | DC/AC: Type II                                                                                                                |       |       |       |       |        |        |          |        |        |        |        |  |
| DC Switch                                         | Optional                                                                                                                      |       |       |       |       |        |        |          |        |        |        |        |  |
| AFCI                                              | Optional                                                                                                                      |       |       |       |       |        |        |          |        |        |        |        |  |
| GENERAL DATA                                      |                                                                                                                               |       |       |       |       |        |        |          |        |        |        |        |  |
| Dimensions (W*H*D) [mm]                           | 370*480*183.5                                                                                                                 |       |       |       |       |        |        |          |        |        |        |        |  |
| Weight [kg]                                       | 17                                                                                                                            | 17    | 17    | 17    | 17    | 17     | 17     | 20       | 20     | 20     | 21     | 21     |  |
| Cooling Method                                    | Natural Convection                                                                                                            |       |       |       |       |        |        | Fan      |        |        |        |        |  |
| Topology                                          | Transformerless                                                                                                               |       |       |       |       |        |        |          |        |        |        |        |  |
| Noise Emission (typical) [dB]                     | <30                                                                                                                           | <30   | <30   | <30   | <30   | <30    | <30    | <55      | <55    | <55    | <55    | <55    |  |
| Max. Operating Altitude [m]                       | 3000                                                                                                                          |       |       |       |       |        |        |          |        |        |        |        |  |
| Operating Temperature Range [°C]                  | -25 ~ 60                                                                                                                      |       |       |       |       |        |        |          |        |        |        |        |  |
| Humidity [%]                                      | 0 ~ 100 ( No Condensation )                                                                                                   |       |       |       |       |        |        |          |        |        |        |        |  |
| Ingress Protection                                | IP65                                                                                                                          |       |       |       |       |        |        |          |        |        |        |        |  |
| Internal Consumption at Night [W]                 | <3                                                                                                                            |       |       |       |       |        |        |          |        |        |        |        |  |
| Monitoring Module                                 | WIFI / 4G ( Optional )                                                                                                        |       |       |       |       |        |        |          |        |        |        |        |  |
| Communication                                     | RS485, Meter, DRM, Estop                                                                                                      |       |       |       |       |        |        |          |        |        |        |        |  |
| Display                                           | LCD, Touch Key, App, Website                                                                                                  |       |       |       |       |        |        |          |        |        |        |        |  |
| STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) |                                                                                                                               |       |       |       |       |        |        |          |        |        |        |        |  |
| Safety                                            | EN 62109-1/2, BIS IS 16169, BIS IS 16221-1/2                                                                                  |       |       |       |       |        |        |          |        |        |        |        |  |
| EMC                                               | EN 61000-6-1/2/3/4                                                                                                            |       |       |       |       |        |        |          |        |        |        |        |  |
| Grid Regulation                                   | AS/NZS-4777.2, C10/I1, EN50549-1, PN EN-50549-1, VDE-AR- N4105, RD 1699, CEI 0-21, NB/T 32004, VDE V 0126-1-1, UTE C 15-712-1 |       |       |       |       |        |        |          |        |        |        |        |  |