



LT-50/60K F2

Three Phase Inverter

- 3/4 MPP Trackers, Max. efficiency 98.7%
- Low Start-up Voltage
- Easy Installation
- IP66 Rated
- Remote Monitoring
- Night time PID Recovery Function (optional)

| MODEL | LT-50K F2 | LT-60K F2 |
|----------------------------------|--|-----------|
| Input DC | | |
| Max. Input Power (kW) | 75.0 | 90.0 |
| Max. Input Voltage (V) | | 1100 |
| Rated Voltage (V) | | 600 |
| Start-up Voltage (V) | | 195 |
| MPPT Voltage Range (V) | | 180~1000 |
| Max. Input Current (A) | 5x32 | 6x32 |
| Max. Short Circuit Current (A) | 5x40 | 6x40 |
| No. of MPP Trackers | 5 | 6 |
| No. of Strings per MPP Tracker | | 2 |
| Output AC | | |
| Rated Output Power (kW) | 50.0 | 60.0 |
| Max. Apparent Output Power (kVA) | 55.0 | 66.0 |
| Max. Output Power (kW) | 55.0 | 66.0 |
| Rated Grid Voltage (V) | 3/N/PE, 220/380, 230/400 | |
| Rated Grid Frequency (Hz) | 50/60 | |
| Rated Grid Output Current (A) | 76.0/72.2 | 91.2/86.6 |
| Max. Output Current (A) | 83.6 | 100.3 |
| Power Factor | >0.99 (0.8 leading - 0.8 lagging) | |
| THDi | <3% | |
| Efficiency | | |
| Max. Efficiency | 98.7% | |
| Euro Efficiency | 98.3% | 98.3% |
| Features | | |
| DC Connection | Stäubli MC4 EVO 2 | |
| AC Connection | OT Terminal (max. 70 mm ²) | |
| Display | LCD | |
| Communication | RS485, USB Optional: Wi-Fi, GPRS, BT | |

| MODEL | LT-50K F2 | LT-60K F2 |
|---|--|-------------------------|
| Protection | | |
| DC Reverse-Polarity Protection | | Yes |
| Short Circuit Protection | | Yes |
| Output Overcurrent Protection | | Yes |
| Surge Protection | | DC Type II / AC Type II |
| Grid Monitoring | | Yes |
| Anti-Islanding Protection | | Yes |
| Temperature Protection | | Yes |
| Strings Monitoring | | Yes |
| I/V Curve Scanning | | Yes |
| Integrated AFCI (DC arc-fault circuit protection) | | Yes ¹⁾ |
| Integrated PID Recovery | | Yes |
| Integrated DC Switch | | Yes |
| General Data | | |
| Dimensions (WxHxD mm) | 691x578x338 | |
| Weight (kg) | 54.5 | |
| Topology | Transformerless | |
| Self-consumption (night) | <1 W | |
| Operating Ambient Temperature Range (°C) | -25--+60 | |
| Relative Humidity | 0-100% | |
| Ingress Protection | IP66 | |
| Cooling Concept | Intelligent Redundant Fan-cooling | |
| Max. Operation Altitude (m) | 4000 | |
| Grid Regulation | G99, VDE-AR-N-4105, /VDE V 0124, EN50549-1 VDE 0126/UTE C 15/ VFR: 2019, RD 1699/RD244/UNE206006/ UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, EFS 2018 .2, IEC61727, IEC60068, IEC 61683, EN50530 | |
| Safety EMC / Standard | IEC/EN 62109-1/2, EN 61000-6-1/2/3/4 | |

1) Activation required.