



LT-3/4/5/6/8/10K F2

Three Phase Inverter

- Max. efficiency 98.5%
- Wide voltage range and low startup voltage
- AFCI protection, proactively reduces fire risk
- IP66 Rated
- Supports export power control
- Automatic voltage stabilization technology in weak grid conditions

| MODEL | LT-3K F2 | LT-4K F2 | LT-5K F2 | LT-6K F2 | LT-8K F2 | LT-10K F2 |
|-------|----------|----------|----------|----------|----------|-----------|
|-------|----------|----------|----------|----------|----------|-----------|

| Input DC | | | | | | |
|--------------------------------|----------|-----|-----|-----|------|------|
| Max. Input Power (kW) | 4.5 | 6.0 | 7.5 | 9.0 | 12.0 | 15.0 |
| Max. Input Voltage (V) | 1100 | | | | | |
| Rated Voltage (V) | 600 | | | | | |
| Start-up Voltage (V) | 180 | | | | | |
| MPPT Voltage Range (V) | 160~1000 | | | | | |
| Max. Input Current (A) | 2x16 | | | | | |
| Max. Short Circuit Current (A) | 2x20 | | | | | |
| No. of MPP Trackers | 2 | | | | | |
| No. of Strings per MPP Tracker | 1 | | | | | |

| Output AC | | | | | | |
|----------------------------------|-----------------------------------|---------|---------|---------|-----------|-----------|
| Rated Output Power (kW) | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 | 10.0 |
| Max. Apparent Output Power (kVA) | 3.3 | 4.4 | 5.5 | 6.6 | 8.8 | 11.0 |
| Max. Output Power (kW) | 3.3 | 4.4 | 5.5 | 6.6 | 8.8 | 11.0 |
| Rated Grid Voltage (V) | 3/N/PE, 220/380, 230/400 | | | | | |
| Rated Grid Frequency (Hz) | 50/60 | | | | | |
| Rated Grid Output Current (A) | 4.6/4.3 | 6.1/5.8 | 7.6/7.2 | 9.1/8.7 | 12.2/11.5 | 15.2/14.4 |
| Max. Output Current (A) | 4.7 | 6.4 | 7.9 | 9.5 | 12.7 | 15.9 |
| Power Factor | >0.99 (0.8 leading - 0.8 lagging) | | | | | |
| THDi | <2% | | | | | |

| Efficiency | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|
| Max. Efficiency | 98.3% | 98.3% | 98.3% | 98.3% | 98.5% | 98.5% |
| Euro Efficiency | 97.7% | 97.7% | 97.7% | 97.7% | 97.9% | 97.9% |

| Features | |
|---------------|-----------------------------------|
| DC Connection | Stäubli MC4 EVO 2 |
| AC Connection | Quick Connection Plug |
| Display | LCD |
| Communication | RS485, Optional: Wi-Fi, GPRS, LAN |

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|-------|----------|----------|----------|----------|----------|-----------|

| Protection | | | | | | |
|---|-------------------|--|--|--|--|--|
| DC Reverse-Polarity Protection | Yes | | | | | |
| Short Circuit Protection | Yes | | | | | |
| Output Overcurrent Protection | Yes | | | | | |
| Surge Protection | Yes | | | | | |
| Grid Monitoring | Yes | | | | | |
| Anti-islanding Protection | Yes | | | | | |
| Temperature Protection | Yes | | | | | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes ¹⁾ | | | | | |
| Integrated DC Switch | Yes | | | | | |

| General Data | | | | | | |
|--|---|--|--|--|--|--|
| Dimensions (WxHxD mm) | 310x563x219 | | | | | |
| Weight (kg) | 17.8 | | | | | |
| Topology | Transformerless | | | | | |
| Self-consumption (night) | <1 W | | | | | |
| Operating Ambient Temperature Range (°C) | -25~+60 | | | | | |
| Relative Humidity | 0-100% | | | | | |
| Ingress Protection | IP66 | | | | | |
| Cooling Concept | Natural Convection | | | | | |
| 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, EIFS 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.