



LT- 18 / 20 / 25K F1

Three Phase String Inverter

- 2 MPP trackers, Max. efficiency up to 98.6%
- Zero export application
- Offline configuration
- Wide output voltage range
- Built-in LCD display
- Smart Monitoring (Optional)

| MODEL | LT-18K F1 | LT-20K F1 | LT-25K F1 |
|------------------------------------|----------------------------|-----------|-----------|
| Input Side | | | |
| Max. DC Input Power (kW) | 23.4 | 26 | 32.5 |
| Max. DC Input Voltage (V) | | 1000 | |
| Start-up DC Input Voltage (V) | | 250 | |
| MPPT Operating Range (V) | | 200~850 | |
| Max. DC Input Current (A) | | 32+32 | |
| Max. Short Circuit Current (A) | | 48+48 | |
| No. of MPP Trackers | | 2 | |
| No. of Strings per MPP Tracker | | 3+3 | |
| Output Side | | | |
| Rated Output Power (kW) | 18 | 20 | 25 |
| Max. Active Power (kW) | 19.8 | 22 | 27.5 |
| Nominal Output Voltage / Range (V) | 3L/N/PE 220/380V, 230/400V | | |
| Rated Grid Frequency (Hz) | 50/60 (Optional) | | |
| Operating Phase | Three phase | | |
| Rated AC Grid Output Current (A) | 27.3/26.1 | 30.3/29 | 37.9/36.2 |
| Max. AC Output Current (A) | 30/28.7 | 33.3/31.9 | 41.7/39.8 |
| Output Power Factor | 0.8 leading to 0.8 lagging | | |
| Grid Current THD | <3% | | |
| Grid Frequency Range | 45~55 or 55~65 (Optional) | | |
| Efficiency | | | |
| Max. Efficiency | 98.5% | | |
| Euro Efficiency | 97.8% | | |
| MPPT Efficiency | > 99% | | |
| Features | | | |
| DC Connection | MC-4 mateable | | |
| AC Connection | IP65 rated plug | | |
| Display | LCD1602 | | |
| Interface | RS485/RS232/WIFI/LAN | | |

| MODEL | LT-18K F1 | LT-20K F1 | LT-25K F1 |
|--|---|-----------------------|-----------|
| Protection | | | |
| DC Reverse-Polarity Protection | | Yes | |
| AC Short Circuit Protection | | Yes | |
| AC Output Overcurrent Protection | | Yes | |
| Output Overvoltage Protection | | Yes | |
| Insulation Resistance Protection | | Yes | |
| Ground Fault Monitoring | | Yes | |
| Anti-islanding Protection | | Yes | |
| Temperature Protection | | Yes | |
| Integrated DC Switch | | Yes | |
| Remote software upload | | Yes | |
| Remote change of operating parameters | | Yes | |
| Surge protection | | DC Type II/AC Type II | |
| General Data | | | |
| Size (mm), w/h/d | 362x577x215 | | |
| Weight (kg) | 23 | | |
| Topology | Transformerless | | |
| Internal Consumption | <1W | | |
| Running Temperature | -25~65°C, >45°C | | |
| Protection Degree | IP65 | | |
| Noise Emission (Typical) | <40 dB | | |
| Cooling Concept | Smart cooling | | |
| Max. Operating Altitude Without Derating | 2000 m | | |
| Warranty | 10 years | | |
| Operating Surroundings Humidity | 0-100% | | |
| Safety EMC / Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | |
| Grid Connection Standard | VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150 | | |