



# LT- 3 / 4 / 5 / 6 K F1

## Three Phase String Inverter

- 2 MPP trackers, Max. efficiency up to 98.3%
- Zero export application
- Offline configuration
- Wide output voltage range
- Built-in LCD display
- Smart Monitoring (Optional)

MODEL	LT-3K F1	LT-4K F1	LT-5K F1	LT-6K F1
<b>Input Side</b>				
Max. DC Input Power (kW)	3.9	5.2	6.5	7.8
Max. DC Input Voltage (V)	1000			
Start-up DC Input Voltage (V)	140			
MPPT Operating Range (V)	120-850			
Max. DC Input Current (A)	20+20			
Max. Short Circuit Current (A)	30+30			
No. of MPP Trackers	2			
No. of Strings per MPP Tracker	1			
<b>Output Side</b>				
Rated Output Power (kW)	3	4	5	6
Max. Active Power (kW)	3.3	4.4	5.5	6.6
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)	4.5/4.3	6.1/5.8	7.6/7.2	9.1/8.7
Max. AC Output Current (A)	5/4.8	6.7/6.4	8.3/8	10/9.6
Output Power Factor	0.8 leading to 0.8 lagging			
Grid Current THD	<3%			
Grid Frequency Range	47-52 lub 57-62 (Optional)			
<b>Efficiency</b>				
Max. Efficiency	98.3%			
Euro Efficiency	97.5%			
MPPT Efficiency	> 99%			
<b>Features</b>				
DC Connection	MC-4 mateable			
AC Connection	IP65 rated plug			
Display	LCD1602			
Interface	RS485/RS232/WIFI/LAN			

MODEL	LT-3K F1	LT-4K F1	LT-5K F1	LT-6K F1
<b>Protection</b>				
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			
<b>General Data</b>				
Size (mm), w/h/d	330x475x185			
Weight (kg)	10			
Topology	Transformerless			
Internal Consumption	<1W			
Running Temperature	-25-65°C, >45°C			
Protection Degree	IP65			
Noise Emission (Typical)	<30 dB			
Cooling Concept	Natural 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	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11, PN-EN 50549-1			