



LT- 8 / 10 / 12 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-8K F1	LT-10K F1	LT-12K F1
Input Side			
Max. DC Input Power (kW)	10.4	13	15.6
Max. DC Input Voltage (V)		1000	
Start-up DC Input Voltage (V)	140	140	250
MPPT Operating Range (V)	120–850	120–850	200–850
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	
Output Side			
Rated Output Power (kW)	8	10	12
Max. Active Power (kW)	8.8	11	13.2
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)	12.1/11.6	15.2/14.5	18.2/17.4
Max. AC Output Current (A)	13.3/12.8	16.7/15.9	20/19.1
Output Power Factor	0.8 leading to 0.8 lagging		
Grid Current THD	<3%		
Grid Frequency Range	47–52 lub 57–62 (Optional)		
Efficiency			
Max. Efficiency		98.3%	
Euro Efficiency		97.5%	
MPPT Efficiency		> 99%	
Features			
DC Connection	MC-4 mateable		
AC Connection	IP65 rated plug		
Display	LCD1602		
Interface	RS485/RS232/WIFI/LAN		

MODEL	LT-8K F1	LT-10K F1	LT-12K 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	330x457x185	330x457x185	330x457x205
Weight (kg)	10	10	11
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		