



LT- 75 / 100 / 110 K F1

Three Phase String Inverter

- 6 MPP trackers, Max. efficiency up to 98.8%
- Zero export application
- Offline configuration
- Wide output voltage range
- Built-in LCD display
- Smart Monitoring (Optional)

MODEL	LT-75K F1	LT-100K F1	LT-110K F1
Input Side			
Max. DC Input Power (kW)	97.5	150	150
Max. DC Input Voltage (V)		1000	
Start-up DC Input Voltage (V)		250	
MPPT Operating Range (V)		200~850	
Max. DC Input Current (A)	40+40+40+40	40+40+40+40+40+40	40+40+40+40+40+40
Max. Short Circuit Current (A)	60+60+60+60	60+60+60+60+60+60	60+60+60+60+60+60
No.of MPP Trackers	4	6	6
No.of Strings per MPP Tracker		4	
Output Side			
Rated Output Power (kW)	75	100	110
Max. Active Power (kW)	82.5	110	121
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)	113.6/108.7	151.5/144.9	166.7/159.4
Max. AC Output Current (A)	125/119.6	166.7/159.4	183.3/175.4
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		98.8%	
Euro Efficiency		98.3%	
MPPT Efficiency		> 99%	
Features			
DC Connection		MC-4 mateable	
AC Connection		IP65 rated plug	
Display		LCD 240x160	
Interface		RS485/RS232/WIFI/LAN	

MODEL	LT-75K F1	LT-100K F1	LT-110K 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	838x568x324	838x568x324	838x568x346
Weight (kg)		81	
Topology		Transformerless	
Internal Consumption		<1W	
Running Temperature		-25~65°C, >45°C	
Protection Degree		IP65	
Noise Emission (Typical)		<55 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		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	