



LT- 60 / 80 K F1

Three Phase String Inverter

- 4 MPP trackers, Max. efficiency up to 98.7%
- Zero export application
- Offline configuration
- Wide output voltage range
- Built-in LCD display
- Smart Monitoring (Optional)

MODEL	LT-60K F1	LT-80K F1
Input Side		
Max. DC Input Power (kW)	78	104
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
Max. Short Circuit Current (A)		60+60+60+60
No. of MPP Trackers		4
No. of Strings per MPP Tracker	3+3+3+3	4+4+4+4
Output Side		
Rated Output Power (kW)	60	80
Max. Active Power (kW)	66	88
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)	90.9/87	121.2/115.9
Max. AC Output Current (A)	100/95.7	133.3/127.5
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		98.7%
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-60K F1	LT-80K 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		700x575x297
Weight (kg)		60
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