



LT- 15 K F1

Three Phase String Inverter

- 2 MPP trackers, Max. efficiency up to 98.5%
- Zero export application
- Offline configuration
- Wide output voltage range
- Built-in LCD display
- Smart Monitoring (Optional)

MODEL	LT-15K F1
Input Side	
Max. DC Input Power (kW)	19.5
Max. DC Input Voltage (V)	1000
Start-up DC Input Voltage (V)	250
MPPT Operating Range (V)	200~850
Max. DC Input Current (A)	20+40
Max. Short Circuit Current (A)	30+60
No. of MPP Trackers	2
No. of Strings per MPP Tracker	1+2
Output Side	
Rated Output Power (kW)	15
Max. Active Power (kW)	16.5
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)	22.7/21.7
Max. AC Output Current (A)	25/23.9
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	98.5%
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-15K 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	333x472x202
Weight (kg)	15
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	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