



LT-50/60K F2

Three Phase Inverter

- 3/4 MPP Trackers, Max. efficiency 98.7%
- Low Start-up Voltage
- Easy Installation
- IP66 Rated
- Remote Monitoring
- Night time PID Recovery Function (optional)

MODEL	LT-50K F2	LT-60K F2
Input DC		
Max. Input Power (kW)	75.0	90.0
Max. Input Voltage (V)		1100
Rated Voltage (V)		600
Start-up Voltage (V)		195
MPPT Voltage Range (V)		180~1000
Max. Input Current (A)	5x32	6x32
Max. Short Circuit Current (A)	5x40	6x40
No. of MPP Trackers	5	6
No. of Strings per MPP Tracker		2
Output AC		
Rated Output Power (kW)	50.0	60.0
Max. Apparent Output Power (kVA)	55.0	66.0
Max. Output Power (kW)	55.0	66.0
Rated Grid Voltage (V)	3/N/PE, 220/380, 230/400	
Rated Grid Frequency (Hz)	50/60	
Rated Grid Output Current (A)	76.0/72.2	91.2/86.6
Max. Output Current (A)	83.6	100.3
Power Factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	
Efficiency		
Max. Efficiency	98.7%	
Euro Efficiency	98.3%	98.3%
Features		
DC Connection	Stäubli MC4 EVO 2	
AC Connection	OT Terminal (max. 70 mm ²)	
Display	LCD	
Communication	RS485, USB Optional: Wi-Fi, GPRS, BT	

MODEL	LT-50K F2	LT-60K F2
Protection		
DC Reverse-Polarity Protection		Yes
Short Circuit Protection		Yes
Output Overcurrent Protection		Yes
Surge Protection		DC Type II / AC Type II
Grid Monitoring		Yes
Anti-Islanding Protection		Yes
Temperature Protection		Yes
Strings Monitoring		Yes
I/V Curve Scanning		Yes
Integrated AFCI (DC arc-fault circuit protection)		Yes ¹⁾
Integrated PID Recovery		Yes
Integrated DC Switch		Yes
General Data		
Dimensions (WxHxD mm)	691x578x338	
Weight (kg)	54.5	
Topology	Transformerless	
Self-consumption (night)	<1 W	
Operating Ambient Temperature Range (°C)	-25--+60	
Relative Humidity	0-100%	
Ingress Protection	IP66	
Cooling Concept	Intelligent Redundant Fan-cooling	
Max. Operation Altitude (m)	4000	
Grid Regulation	G99, VDE-AR-N-4105, /VDE V 0124, EN50549-1 VDE 0126/UTE C 15/ VFR: 2019, RD 1699/RD244/UNE206006/ UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, EFS 2018 .2, IEC61727, IEC60068, IEC 61683, EN50530	
Safety EMC / Standard	IEC/EN 62109-1/2, EN 61000-6-1/2/3/4	

1) Activation required.