



LT-80/100/110K F2

Three Phase Inverter

- 6/8 MPP Trackers, Max. efficiency 98.5%
- Low Start-up Voltage
- Easy Installation
- IP66 Rated
- Remote Monitoring
- Night time PID recovery function (optional)

MODEL	LT-80K F2	LT-100K F2	LT-110K F2
Input DC			
Max. Input Power (kW)	120.0	150.0	165.0
Max. Input Voltage (V)		1100	
Rated Voltage (V)		600	
Start-up Voltage (V)		180	
MPPT Voltage Range (V)		160~1000	
Max. Input Current (A)	40/32/40/32/40/32	40/32/40/32/40/32/40/32	
Max. Short Circuit Current (A)	6x50	8x50	
No. of MPP Trackers	6	8	
No. of Strings per MPP Tracker		2	
Output AC			
Rated Output Power (kW)	80.0	100.0	120.0
Max. Apparent Output Power (kVA)	88.0	110.0	132.0
Max. Output Power (kW)	88.0	110.0	132.0
Rated Grid Voltage (V)		3/N/PE, 220/380, 230/400	
Rated Grid Frequency (Hz)		50/60	
Rated Grid Output Current (A)	121.6/115.5	152.0/144.3	167.1/158.8
Max. Output Current (A)	133.7	167.1	183.8
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)		
THDi		<3%	
Efficiency			
Max. Efficiency		98.5%	
Euro Efficiency		98%	
Features			
DC Connection	Stäubli MC4 EVO 2		
AC Connection	OT Terminal (max. 240 mm ²)		
Display	LCD		
Communication	RS485, Optional: Wi-Fi, GPRS, PLC, BT		

MODEL	LT-80K F2	LT-100K F2	LT-110K 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 DC Switch		Yes	
General Data			
Dimensions (WxHxD mm)	1065x585x363	1183x585x363	1183x585x363
Weight (kg)	79.5	98.0	98.0
Topology	Transformerless		
Self-consumption (night)	<2 W		
Operating Ambient Temperature Range (°C)	-30~+60		
Relative Humidity	0-100%		
Ingress Protection	IP66		
Cooling Concept	Intelligent Redundant Fan-cooling		
Max. Operation Altitude (m)	4000		
Grid Connection Standard	G99, IEC61727, EN50549-1/2, VDE4110, CEI 0-21, C10/11		
Safety EMC / Standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4		

1) Activation required.