



## LT-3/4/5/6/8/10K F2

### Three Phase Inverter

- Max. efficiency 98.5%
- Wide voltage range and low startup voltage
- AFCI protection, proactively reduces fire risk
- IP66 Rated
- Supports export power control
- Automatic voltage stabilization technology in weak grid conditions

MODEL	LT-3K F2	LT-4K F2	LT-5K F2	LT-6K F2	LT-8K F2	LT-10K F2
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Input DC						
Max. Input Power (kW)	4.5	6.0	7.5	9.0	12.0	15.0
Max. Input Voltage (V)	1100					
Rated Voltage (V)	600					
Start-up Voltage (V)	180					
MPPT Voltage Range (V)	160~1000					
Max. Input Current (A)	2x16					
Max. Short Circuit Current (A)	2x20					
No. of MPP Trackers	2					
No. of Strings per MPP Tracker	1					

Output AC						
Rated Output Power (kW)	3.0	4.0	5.0	6.0	8.0	10.0
Max. Apparent Output Power (kVA)	3.3	4.4	5.5	6.6	8.8	11.0
Max. Output Power (kW)	3.3	4.4	5.5	6.6	8.8	11.0
Rated Grid Voltage (V)	3/N/PE, 220/380, 230/400					
Rated Grid Frequency (Hz)	50/60					
Rated Grid Output Current (A)	4.6/4.3	6.1/5.8	7.6/7.2	9.1/8.7	12.2/11.5	15.2/14.4
Max. Output Current (A)	4.7	6.4	7.9	9.5	12.7	15.9
Power Factor	>0.99 (0.8 leading - 0.8 lagging)					
THDi	<2%					

Efficiency						
Max. Efficiency	98.3%	98.3%	98.3%	98.3%	98.5%	98.5%
Euro Efficiency	97.7%	97.7%	97.7%	97.7%	97.9%	97.9%

Features	
DC Connection	Stäubli MC4 EVO 2
AC Connection	Quick Connection Plug
Display	LCD
Communication	RS485, Optional: Wi-Fi, GPRS, LAN

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Protection						
DC Reverse-Polarity Protection	Yes					
Short Circuit Protection	Yes					
Output Overcurrent Protection	Yes					
Surge Protection	Yes					
Grid Monitoring	Yes					
Anti-islanding Protection	Yes					
Temperature Protection	Yes					
Integrated AFCI (DC arc-fault circuit protection)	Yes <sup>1)</sup>					
Integrated DC Switch	Yes					

General Data						
Dimensions (WxHxD mm)	310x563x219					
Weight (kg)	17.8					
Topology	Transformerless					
Self-consumption (night)	<1 W					
Operating Ambient Temperature Range (°C)	-25~+60					
Relative Humidity	0-100%					
Ingress Protection	IP66					
Cooling Concept	Natural Convection					
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, EIFS 2018 .2, IEC61727, IEC60068, IEC 61683, EN50530					
Safety EMC / Standard	IEC/EN 62109-1/2, EN 61000-6-1/2/3/4					

<sup>1)</sup> Activation required.