



LT-12/15/17/20K 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-12K F2	LT-15K F2	LT-17K F2	LT-20K F2
Input DC				
Max. Input Power (kW)	18.0	22.5	25.5	30.0
Max. Input Voltage (V)	1100			
Rated Voltage (V)	600			
Start-up Voltage (V)	180			
MPPT Voltage Range (V)	160~1000			
Max. Input Current (A)	2x32			
Max. Short Circuit Current (A)	2x40			
No. of MPP Trackers	2			
No. of Strings per MPP Tracker	2			
Output AC				
Rated Output Power (kW)	12.0	15.0	17.0	20.0
Max. Apparent Output Power (kVA)	13.2	16.5	18.7	22.0
Max. Output Power (kW)	13.2	16.5	18.7	22.0
Rated Grid Voltage (V)	3/N/PE, 220/380, 230/400			
Rated Grid Frequency (Hz)	50/60			
Rated Grid Output Current (A)	18.2/17.3	22.8/21.7	25.8/24.6	30.4/28.9
Max. Output Current (A)	19.1	23.8	27.0	31.8
Power Factor	>0.99 (0.8 leading - 0.8 lagging)			
THDi	<2%			
Efficiency				
Max. Efficiency	98.6%	98.6%	98.7%	98.7%
Euro Efficiency	98.0%	98.0%	98.1%	98.1%
Features				
DC Connection	Stäubli MC4 EVO 2			
AC Connection	Quick Connection Plug			
Display	LCD			
Communication	RS485, Optional: Wi-Fi, GPRS, LAN			

MODEL	LT-12K F2	LT-15K F2	LT-17K F2	LT-20K F2
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 ¹⁾			
Integrated DC Switch	Yes			
General Data				
Dimensions (WxD mm)	310x563x219			
Weight (kg)	17.8	18.8	20.0	20.0
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			

¹⁾ Activation required.