



LT-25/30/33/36/40K 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-25K F2	LT-30K F2	LT-33K F2	LT-36K F2	LT-40K F2
Input DC					
Max. Input Power (kW)	37.5	45.0	49.5	54.0	60.0
Max. Input Voltage (V)	1100				
Rated Voltage (V)	600				
Start-up Voltage (V)	180				
MPPT Voltage Range (V)	200~1000				
Max. Input Current (A)	3x32	2x32	3x32	4x32	4x32
Max. Short Circuit Current (A)	3x40	3x40	3x40	4x40	4x40
No. of MPP Trackers	3	3	3	4	4
No. of Strings per MPP Tracker	2				
Output AC					
Rated Output Power (kW)	25.0	30.0	33.0	36.0	40.0
Max. Apparent Output Power (kVA)	27.5	33.0	36.3	39.6	44.0
Max. Output Power (kW)	27.5	33.0	36.3	39.6	44.0
Rated Grid Voltage (V)	3/N/PE, 220/380, 230/400				
Rated Grid Frequency (Hz)	50/60				
Rated Grid Output Current (A)	38.0/36.1	45.6/43.3	50.1/47.6	54.7/52.0	60.8/57.7
Max. Output Current (A)	41.8	50.2	55.1	60.2	66.9
Power Factor	>0.99 (0.8 leading - 0.8 lagging)				
THDi	<3%				
Efficiency					
Max. Efficiency	98.5%	98.5%	98.6%	98.7%	98.7%
Euro Efficiency	98.1%	98.1%	98.2%	98.3%	98.3%
Features					
DC Connection	Stäubli MC4 EVO 2				
AC Connection	OT Terminal				
Display	LCD				
Communication	RS485, Optional: Wi-Fi, GPRS, LAN				

MODEL	LT-25K F2	LT-30K F2	LT-33K F2	LT-36K F2	LT-40K 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)	647x629x252				
Weight (kg)	37				
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.