

# PRODUCT DATASHEET

## LT 100K F2-DC-AFCI-PID-WIET



PERFOR-  
MANCE  
CLASS

### Areas of application

- Commercial and industrial installations
- Utility installations

### Product benefits

- 10 years of product guarantee
- Built-in LCD display
- Wide voltage range and low startup voltage
- AFCI protection, proactively reduces fire risk
- Versions with PID available
- Level II surge protection on AC and DC side
- Automatic voltage stabilization technology in weak grid conditions
- Easy installation

### Product features

- Smart fan cooling
- Integrated DC switch
- Protection rating: IP66
- Original Stäubli MC4 connectors

## TECHNICAL DATA

### Electrical data

Output phases	3-phase
Max. input power DC	150 kW
Input voltage DC	600 V
MPP voltage	160 - 1000 V
Max. input current DC	40 A
Max. input current DC per string input	20 A
Max. input current DC per MPP tracker	40 A
Number of independent MPPT inputs	8
String connections per MPPT input	2
Nominal output power AC	100 kW

### Dimensions & Weight

Length	1183 mm
Width	363 mm
Height	585 mm
Product weight	77000.00 g

### Additional product data

Integrated DC switch	Yes
Connection DC for battery	No
Suitable for emergency power	No
Charging controller integrated	No
With data logging	Yes
Wireless	Yes
Display	Standard
Ethernet	Yes
Integrated transformer	No
Type of connection	Staubli MC4
Temperature range in operation	-30...+60 °C
Ambient temperature range	-30...+60 °C
Outdoor application	No
Type of protection	IP66
Product color	White

### Efficiency

Maximum efficiency	98.50 %
European efficiency	98.00 %

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## EQUIPMENT / ACCESSORIES

- Mounting bracket included
  - Data logger included
  - Supplied with user manual
  - Additional DC connectors for the outlets on the inverter
  - Fastening screws included
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## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	Three Phased String Inverter 80-110K F2
	Declarations of conformity	CE declaration_LT80-110K
	Product family datasheet	LT 80-110K F2

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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854168024	Shipping box 1	1,350 mm x 700 mm x 505 mm	82400.00 g	477.23 dm <sup>3</sup>

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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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## References / Links

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)
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