

# PRODUCT DATASHEET

## LT 12K F2-DC-AFCI-WIET



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### Areas of application

- Residential installations
- Commercial and industrial installations

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### Product benefits

- 10 years of product guarantee
- Built-in LCD display
- Wide voltage range and low startup voltage
- AFCI protection, proactively reduces fire risk
- Automatic voltage stabilization technology in weak grid conditions
- Easy installation

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### 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	18 kW
Input voltage DC	600 V
MPP voltage	160 - 1000 V
Max. input current DC	32 A
Max. input current DC per string input	16 A
Max. input current DC per MPP tracker	32 A
Number of independent MPPT inputs	2
String connections per MPPT input	2
Nominal output power AC	12 kW
Power consumption	<1 W

### Dimensions & Weight

Length	310 mm
Width	219 mm
Height	563 mm
Product weight	17800.00 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	-25...+60 °C
Ambient temperature range	-25...+60 °C
Outdoor application	No
Type of protection	IP66
Product color	White

### Efficiency

Maximum efficiency	98.60 %
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European efficiency

98.00 %

## EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Data logger included
- AC connector included
- Supplied with user manual
- Additional DC connectors for the outlets on the inverter
- RJ45 connector included
- Fastening screws included

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	User manual LT 3-12K F2
	Declarations of conformity	CE declaration_LT3-20K
	Product family datasheet	LT 12-20K F2

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854168567	Shipping box 1	644 mm x 384 mm x 326 mm	18998.00 g	80.62 dm <sup>3</sup>

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.

## References / Links

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

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