

# PRODUCT DATASHEET

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



### Areas of application

- Residential installations
- Commercial and industrial 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
- 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                    | 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 % |
|--------------------|---------|

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<br>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)

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.