

# PRODUCT DATASHEET

## LS 2.5K F2-DC-AFCI-WIET



PERFOR-  
MANCE  
CLASS

### Areas of application

- Residential installations

### Product benefits

- 10 years of product guarantee
- Built-in LCD display
- Low startup voltage starting from 60 V
- AFCI protection, proactively reduces fire risk
- Level II surge protection on AC and DC side

### Product features

- Cooling by natural convection
- Integrated DC switch
- Protection rating: IP66
- Original Stäubli MC4 connectors

## TECHNICAL DATA

### Electrical data

|                                        |              |
|----------------------------------------|--------------|
| Output phases                          | Single phase |
| Max. input power DC                    | 3.75 kW      |
| Input voltage DC                       | 250 V        |
| MPP voltage                            | 50 - 450 V   |
| Max. input current DC                  | 14 A         |
| Max. input current DC per string input | 14 A         |
| Max. input current DC per MPP tracker  | 14 A         |
| Number of independent MPPT inputs      | 2            |
| String connections per MPPT input      | 1            |
| Nominal output power AC                | 2.5 kW       |
| Power consumption                      | <1 W         |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 310 mm     |
| Width          | 160 mm     |
| Height         | 543 mm     |
| Product weight | 11000.00 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 | 97.30 % |
|--------------------|---------|

European efficiency

96.50 %

## 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             |
|----------------------------------------------------------------------------------|----------------------------|---------------------------|
|  | Declarations of conformity | CE declaration_LS-2.5K-6K |
|  | Product family datasheet   | LS 2-6K F2                |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854168185 | Shipping box<br>1            | 639 mm x 372 mm x 230 mm             | 11943.00 g   | 54.67 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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