

# PRODUCT DATASHEET

## LHS-LV 4.6K F2-DC-AFCI-WIBE-MTR



PERFOR-  
MANCE  
CLASS

### Areas of application

- Residential installations

### Product benefits

- 10 years of product guarantee
- Low startup voltage starting from 80 V
- Compatible with many energy storage systems manufacturers
- Possible selection of different work modes
- Inverter is powered by the grid or the battery and is independent of the PV panels
- Bluetooth connection possible
- AFCI protection, proactively reduces fire risk

### Product features

- 1 battery input
- Cooling by natural convection
- Protection rating: IP66
- Original Stäubli MC4 connectors
- Up to 125 A of charging / discharging current
- UPS level switching time (< 10 ms) supporting critical loads all the time

## TECHNICAL DATA

### Electrical data

|                                        |              |
|----------------------------------------|--------------|
| Output phases                          | Single phase |
| Max. input power DC                    | 7 kW         |
| Input voltage DC                       | 330 V        |
| MPP voltage                            | 90 - 520 V   |
| Max. input current DC                  | 16 A         |
| Max. input current DC per string input | 16 A         |
| Max. input current DC per MPP tracker  | 16 A         |
| Number of independent MPPT inputs      | 2            |
| String connections per MPPT input      | 1            |
| Nominal output power AC                | 4.6 kW       |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 405 mm     |
| Width          | 205 mm     |
| Height         | 480 mm     |
| Product weight | 24200.00 g |

### Additional product data

|                                |              |
|--------------------------------|--------------|
| Integrated DC switch           | Yes          |
| Connection DC for battery      | Yes          |
| Suitable for emergency power   | Yes          |
| Charging controller integrated | Yes          |
| 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  | 97.50 % |
| European efficiency | 96.20 % |

## EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Data logger included
- AC and AC backup connector included
- Supplied with user manual
- Additional DC connectors for the outlets on the inverter
- Bluetooth antenna included
- Eastron meter and CT clamps included
- Power and communication cables for the battery system included

## DOWNLOAD DATA

| Documents and certificates                                                       |                                        | Document name                        |
|----------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|
|  | User instruction / safety instructions | Single Phase Hybrid Inverter 3-6K F2 |
|  | Declarations of conformity             | CE declaration_LHS-LV-3K-6K          |
|  | Product family datasheet               | LHS LV 3-4.6K F2                     |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854168154 | Shipping box<br>1            | 605 mm x 400 mm x 300 mm             | 25448.00 g   | 72.60 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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