

# PRODUCT DATASHEET

## LHS-LV 5K 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	8 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	5 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 5-6K F2

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854168161	Shipping box 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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