

# PRODUCT DATASHEET

## LHT-HV 5K F2-DC-AFCI-WIBE-MTR



### Areas of application

- Residential installations

### Product benefits

- 10 years of product guarantee
- 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
- Charge / discharge of the energy storage system is faster than with LV version
- AFCI protection, proactively reduces fire risk

### Product features

- 1 battery input
- Cooling by natural convection
- Protection rating: IP66
- Original Stäubli MC4 connectors
- Up to 50 A of charging/discharging current
- UPS level switching time (< 10 ms) supporting critical loads all the time

## TECHNICAL DATA

### Electrical data

Output phases	3-phase
Max. input power DC	8 kW
Input voltage DC	600 V
MPP voltage	200 - 850 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	3
String connections per MPPT input	1
Nominal output power AC	5 kW

### Dimensions & Weight

Length	600 mm
Width	230 mm
Height	500 mm
Product weight	32600.00 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	97.90 %
European efficiency	96.80 %

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## 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
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## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	Three Phased Hybrid Inverter 5-10K F2
	Declarations of conformity	CE declaration_LHT-HV-5K-10K
	Product family datasheet	LHT HV 5-10K F2

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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854168093	Shipping box 1	660 mm x 550 mm x 320 mm	34493.00 g	116.16 dm <sup>3</sup>

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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.

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## References / Links

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