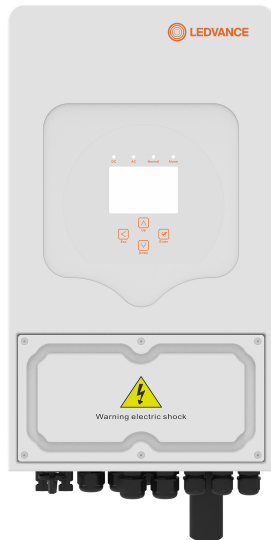


# PRODUCT DATASHEET

## LHS-LV 5K F1-DC-WIET-CT



### Areas of application

- Residential installations

### Product benefits

- 10 years of product guarantee
- Built-in color LCD touchscreen next to buttons
- Supports storing energy directly from a diesel generator
- 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

### Product features

- Colorful touchable display LCD screen, IP65 protection degree
- Cooling by natural convection
- DC couple and AC couple to retrofit existing solar system
- Max. charging and discharging current of 90 A, 120 A and 135 A
- Support energy storage from diesel generator
- 6 time period setting for battery charging and discharging

## TECHNICAL DATA

### Electrical data

Output phases	Single phase
Max. input power DC	6.5 kW
Input voltage DC	370 V
MPP voltage	150-425 V
Max. input current DC	13 A
Max. input current DC per string input	13 A
Max. input current DC per MPP tracker	13 A
Number of independent MPPT inputs	2
String connections per MPPT input	1
Nominal output power AC	5 kW

### Dimensions & Weight

Length	330 mm
Width	232 mm
Height	580 mm
Product weight	22500.00 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	Yes
Type of connection	MC4-Compatible
Temperature range in operation	-25...+60 °C <sup>1)</sup>
Ambient temperature range	-40...+60 °C
Outdoor application	No
Type of protection	IP65
Product color	White

1) > 45°C derating

### Efficiency

Maximum efficiency	97.60 %
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European efficiency

96.50 %

## EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Data logger included
- Allen key included
- Supplied with user manual
- Additional battery connectors for the outlets on the inverter
- Additional DC connectors for the outlets on the inverter
- CT clamps included

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	Single Phase Hybrid Inverter 3.6-6K F1
	Declarations of conformity	CE declaration_LHS-LV-3.6-8K
	Product family datasheet	LHS LV 3.6-6K F1

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854147951	Shipping box 1	565 mm x 485 mm x 275 mm	27000.00 g	75.36 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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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.