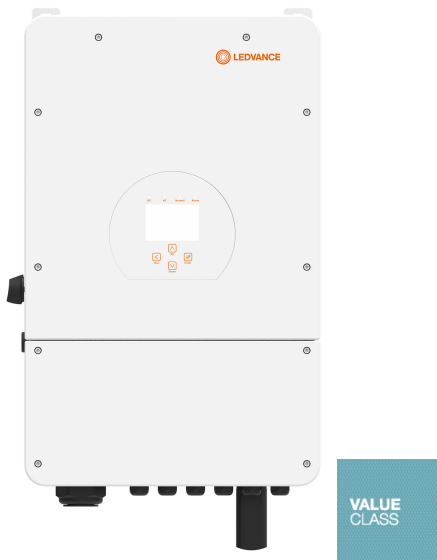


# PRODUCT DATASHEET

## LHS-LV 8K 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	10.4 kW
Input voltage DC	370 V
MPP voltage	150 - 425 V
Max. input current DC	26 A
Max. input current DC per string input	13 A
Max. input current DC per MPP tracker	26 A
Number of independent MPPT inputs	2
String connections per MPPT input	2
Nominal output power AC	8 kW

### Dimensions & Weight

Length	420 mm
Width	233 mm
Height	670 mm
Product weight	32000.00 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	-40...+60 °C
Ambient temperature range	-40...+60 °C
Outdoor application	No
Type of protection	IP65
Product color	White

### Efficiency




Maximum efficiency	97.60 %
European efficiency	97.00 %

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## 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
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## DOWNLOAD DATA

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

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## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854220029	Shipping box 1	875 mm x 590 mm x 355 mm	37500.00 g	183.27 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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