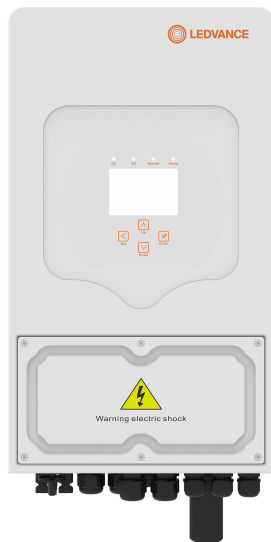


# PRODUCT DATASHEET

## LHS-LV 6K 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                    | 7.8 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                | 6 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 | -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 | 96.50 % |

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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
- 

## 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                       |

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## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4099854220012 | Shipping box<br>1            | 789 mm x 490 mm x 357 mm             | 27000.00 g   | 138.02 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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