

# PRODUCT DATASHEET

## LHT-HV 12K F1-DC-WIET-CT



VALUE  
CLASS

### Areas of application

- Residential installations
- Commercial and industrial installations
- Utility 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
- Charge / discharge of the energy storage system is faster than with LV version

### Product features

- Smart fan cooling
- 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	15.6 kW
Input voltage DC	600 V
MPP voltage	150-850 V
Max. input current DC	26 A
Max. input current DC per string input	20 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	12 kW

### Dimensions & Weight

Length	408 mm
Width	237 mm
Height	638 mm
Product weight	32500.00 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	MC4-Compatible
Temperature range in operation	-40...+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

97.00 %

## 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
- Parallel communication cable included

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	Three Phased Hybrid Inverter 5-25K F1 User Manual
	Declarations of conformity	CE declaration Inverter 5K-25K
	Product family datasheet	LHT HV 12-25K F1

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854136825	Shipping box 1	840 mm x 545 mm x 385 mm	36500.00 g	176.25 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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