

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

- Up to 2 battery inputs
- 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 | 31000.00 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 ¹⁾ |
| 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 % |
|--------------------|---------|

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



User instruction



Declarations Of Conformity CE



Product Family Datasheet

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 | 35000.00 g | 176.25 dm ³ |

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

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.