

PRODUCT DATASHEET

LT 50K F1-DC-WIET



VALUE
CLASS

Areas of application

- Commercial and industrial installations
- Utility installations

Product benefits

- 10 years of product guarantee
- Built-in LCD display
- Wide output voltage range
- Versions with AFCI and PID available
- Level II surge protection on AC and DC side
- Automatic voltage stabilization technology in weak grid conditions
- Compatible with different energy meters
- Easy installation

Product features

- Smart fan cooling
- Integrated DC switch
- Offline configuration
- Remote updates of the software

TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Output phases | 3-phase |
| Max. input power DC | 65 kW |
| Input voltage DC | 600 V |
| MPP voltage | 200 - 850 V |
| Max. input current DC | 40 A |
| Max. input current DC per string input | 13.3 A |
| Max. input current DC per MPP tracker | 40 A |
| Number of independent MPPT inputs | 4 |
| String connections per MPPT input | 3 |
| Nominal output power AC | 50 kW |
| Power consumption | <1 W |

Dimensions & Weight

| | |
|----------------|------------|
| Length | 648 mm |
| Width | 304 mm |
| Height | 537 mm |
| Product weight | 44500.00 g |

Additional product data

| | |
|--------------------------------|----------------------------|
| Integrated DC switch | Yes |
| Connection DC for battery | No |
| Suitable for emergency power | No |
| Charging controller integrated | No |
| With data logging | Yes |
| Wireless | Yes |
| Display | Standard |
| Ethernet | Yes |
| Integrated transformer | No |
| Type of connection | MC4-Compatible |
| Temperature range in operation | -25...+65 °C ¹⁾ |
| Ambient temperature range | -25...+65 °C |
| Outdoor application | No |
| Type of protection | IP65 |
| Product color | White |

1) > 45°C derating



Efficiency

| | |
|---------------------|---------|
| Maximum efficiency | 98.70 % |
| European efficiency | 98.00 % |

EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Data logger included
- Allen key included
- Supplied with user manual
- Additional DC connectors for the outlets on the inverter
- RS485 connector included
- Mounting stainless steel screws included
- Stainless steel anti-collision bolts included

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|----------------------------|----------------------------|
|  | Declarations of conformity | CE declaration_LT-40K-110K |
|  | Product family datasheet | LT 40-50K F1 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075835306 | Shipping box 1 | 845 mm x 765 mm x 440 mm | 51780.00 g | 284.43 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.