

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 |
|--|--|--|
|  | User instruction / safety instructions | Three Phased String Inverter 40-50K F1 User Manual |
|  | Declarations of conformity | CE declaration_LT-40K-110K |
|  | Product family datasheet | LT 40-50K F1 |

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.