

# PRODUCT DATASHEET

## LT 50K F2-DC-AFCI-WIET



PERFOR-  
MANCE  
CLASS

### Areas of application

- Commercial and industrial installations
- Utility installations

### Product benefits

- 10 years of product guarantee
- Built-in LCD display
- Wide voltage range and low startup voltage
- AFCI protection, proactively reduces fire risk
- Level II surge protection on AC and DC side
- Automatic voltage stabilization technology in weak grid conditions
- Easy installation

### Product features

- Smart fan cooling
- Integrated DC switch
- Protection rating: IP66
- Original Stäubli MC4 connectors

## TECHNICAL DATA

### Electrical data

|                                        |              |
|----------------------------------------|--------------|
| Output phases                          | 3-phase      |
| Max. input power DC                    | 75 kW        |
| Input voltage DC                       | 600 V        |
| MPP voltage                            | 180 - 1000 V |
| Max. input current DC                  | 32 A         |
| Max. input current DC per string input | 16 A         |
| Max. input current DC per MPP tracker  | 32 A         |
| Number of independent MPPT inputs      | 5            |
| String connections per MPPT input      | 2            |
| Nominal output power AC                | 50 kW        |
| Power consumption                      | <1 W         |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 691 mm     |
| Width          | 338 mm     |
| Height         | 578 mm     |
| Product weight | 54500.00 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             | Staubli MC4  |
| Temperature range in operation | -25...+60 °C |
| Ambient temperature range      | -25...+60 °C |
| Outdoor application            | No           |
| Type of protection             | IP66         |
| Product color                  | White        |

### Efficiency

|                    |         |
|--------------------|---------|
| Maximum efficiency | 98.70 % |
|--------------------|---------|

European efficiency

98.30 %

## EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Data logger included
- AC terminal cover included
- Supplied with user manual
- Additional DC connectors for the outlets on the inverter
- Supplied with 16-pin COM connector and unlocking tool
- Cross bolts and screws included

## DOWNLOAD DATA

| Documents and certificates                                                       |                                        | Document name                                      |
|----------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------|
|  | User instruction / safety instructions | Three Phased String Inverter 50-60K F2 User Manual |
|  | Declarations of conformity             | CE declaration_LT50-60K                            |
|  | Product family datasheet               | LT 50-50K F2                                       |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4099854168062 | Shipping box<br>1            | 855 mm x 755 mm x 446 mm             | 58436.00 g   | 287.90 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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