

# PRODUCT DATASHEET

## LT 100K 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                    | 150 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      | 6           |
| String connections per MPPT input      | 4           |
| Nominal output power AC                | 100 kW      |
| Power consumption                      | <1 W        |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 838 mm     |
| Width          | 324 mm     |
| Height         | 568 mm     |
| Product weight | 81000.00 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 <sup>1)</sup> |
| Ambient temperature range      | -25...+65 °C               |
| Outdoor application            | No                         |
| Type of protection             | IP65                       |
| Product color                  | White                      |

1) > 45°C derating

### Efficiency

|                     |         |
|---------------------|---------|
| Maximum efficiency  | 98.80 % |
| European efficiency | 98.30 % |

## EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Data logger included
- Allen key and T-type wrench 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 75-110K F1 User Manual |
|    | Declarations of conformity             | CE declaration_LT-40K-110K                          |
|  | Product family datasheet               | LT 75-110K F1                                       |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075835344 | Shipping box<br>1            | 1,093 mm x 840 mm x 547 mm           | 100543.00 g  | 502.21 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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