

# PRODUCT DATASHEET

## LT 6K F1-DC-WIET

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### Areas of application

- Residential installations



VALUE  
CLASS

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### Product benefits

- 10 years of product guarantee
- Built-in LCD display
- Wide voltage range and low startup voltage
- 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

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### Product features

- Cooling by natural convection
- Integrated DC switch
- Offline configuration
- Remote updates of the software

## TECHNICAL DATA

### Electrical data

|  |             |
|--|-------------|
| Output phases                          | 3-phase     |
| Max. input power DC                    | 7.8 kW      |
| Input voltage DC                       | 600 V       |
| MPP voltage                            | 120 - 850 V |
| Max. input current DC                  | 20 A        |
| Max. input current DC per string input | 20 A        |
| Max. input current DC per MPP tracker  | 20 A        |
| Number of independent MPPT inputs      | 2           |
| String connections per MPPT input      | 1           |
| Nominal output power AC                | 6 kW        |
| Power consumption                      | <1 W        |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 330 mm     |
| Width          | 185 mm     |
| Height         | 457 mm     |
| Product weight | 10000.00 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  | 98.30 % |
| European efficiency | 97.50 % |

## EQUIPMENT / ACCESSORIES

- Mounting bracket included
- Data logger included
- AC connector 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 3-12K F1 User Manual |
|    | Declarations of conformity             | CE declaration_LT-3K-15K                          |
|  | Product family datasheet               | LT 3-6K F1  |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075835238 | Shipping box<br>1            | 565 mm x 485 mm x 275 mm             | 13938.00 g   | 75.36 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)

## DISCLAIMER

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