

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

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.