PRODUCT DATASHEET
LT 12K F1-DC-WIET

VALUE CLASS

Areas of application

– Residential installations

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

Product features

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

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TECHNICAL DATA

Electrical data

Output phases	3-phase
Max. input power DC	15.6 kW
Input voltage DC	600 V
MPP voltage	200 - 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	12 kW
Power consumption	<1 W

Dimensions & Weight

Length	330 mm
Width	205 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 [1)]
Ambient temperature range	-25…+65 °C
Outdoor application	No
Type of protection	IP65
Product color	White

1) > 45°C derating

Efficiency

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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
PDF	User instruction / safety instructions	Three Phased String Inverter 3-12K F1 User Manual
PDF	Declarations of conformity	CE declaration_LT-3K-15K
PDF	Product family datasheet	LT 8-12K F1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075835252	Shipping box 1	565 mm x 485 mm x 300 mm	13938.00 g	82.21 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

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