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
PDF	User instruction / safety instructions	Three Phased String Inverter 50-60K F2 User Manual
PDF	Declarations of conformity	CE declaration_LT50-60K
PDF	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 1	855 mm x 755 mm x 446 mm	58436.00 g	287.90 dm³

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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