PRODUCT DATASHEET
LT 80K 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
– Versions with PID available
– 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	120 kW
Input voltage DC	600 V
MPP voltage	160 - 1000 V
Max. input current DC	40 A
Max. input current DC per string input	20 A
Max. input current DC per MPP tracker	40 A
Number of independent MPPT inputs	6
String connections per MPPT input	2
Nominal output power AC	80 kW

Dimensions & Weight

Length	1065 mm
Width	363 mm
Height	585 mm
Product weight	77000.00 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	-30…+60 °C
Ambient temperature range	-30…+60 °C
Outdoor application	No
Type of protection	IP66
Product color	White

Efficiency

Maximum efficiency	98.50 %
European efficiency	98.00 %

EQUIPMENT / ACCESSORIES

– Mounting bracket included
– Data logger included
– Supplied with user manual
– Additional DC connectors for the outlets on the inverter
– Fastening screws included

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Declarations Of Conformity CE
PDF	Product Family Datasheet

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854167904	Shipping box 1	1,350 mm x 700 mm x 505 mm	82400.00 g	477.23 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

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.