MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

LION 30 48V/40A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	LION 30
DC Rating	48V/40A
Part number	LB4300
Model code	3A83905
Part status	Released

SUPPLY

Mains Phase	1
Input Voltage [V]	220-240
Nominal Voltage [V]	230
Rated frequency [Hz]	50-60
Max Mains Current (at nominal mains V) [A]	10
Current at min rated voltage [A]	10
Current at max rated voltage [A]	10
Recommended supply fuse class	C
Recommended RCCB class	A
Mains Cable Area [mm2]	3x1,5 mm2
Mains Cable Length [m]	2,5
Mains Connector	16A Schuko
Standby Power Consumption [W]	<5
Power Consumption [W]	2275
Apparent Power Consumption [VA]	2298
Power Factor	0,99
Leakage current [mA]	<3,5
Efficiency (at rated power and no cables) [%]	92

OUTPUT DATA

Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	48
Output Current [A]	40
Battery Cable [mm2]	10 mm2
Battery Cable Length [m]	3
Battery Cable Connection (in charger)	M6
Battery Connector (not included)	DIN80
Output fuse, rating [A/VDC]	80A/150VDC
Output fuse type	Inline external, Fast Semiconductor fuse

PROPERTIES

IP Protection	IP54 (IP66 optional)
Operation Temperature [deg C]	-5 to +40
Ambient Max Temperature (with reduced capacity) [deg C]	50
Ambient storage and transport temperature [C]	-40 to +80/1000h
Maximum operating altitude [m]	2000
Maximum humidity, non-condensing [%rh]	90
Cooling	Fan
Cabinet Type	A11
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	Litium Alg or CAN
I/O-cards	CAN/Detect
Bluetooth/ NFC connectivity	No
Remote connectivity & advanced software functions	Yes

CHARGER DIMENSIONS

Charger Weight excl. Cables [kg]	5
Charger dimensions [mm]	408x235x78

SHIPPING DIMENSIONS

Box dimensions [mm]	165x265x600
Shipping Weight [kg]	8

The information in this document is subject to change without notice and should not be construed as a commitment by Micropower Sweden AB.

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