

## TECHNICAL DATA

# LION 30 48V/20A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	LION 30
DC Rating	48V/20A
Part number	LG4240
Model code	3AC4403
Part status	Released

### SUPPLY

Number of phases	1
Rated Voltage range [V]	220-240
Nominal Voltage [V]	230
Rated frequency [Hz]	50-60
Current at nominal voltage [A]	5,5
Current at min rated voltage [A]	5,8
Current at max rated voltage [A]	5,3
Recommended supply fuse class	C
Recommended RCCB class	A
Supply cable area	3x1,0 mm <sup>2</sup>
Supply cable length [m]	2,5
Typical Supply Connector	10A Schuko
Standby Power Consumption [W]	<5
Power Consumption [W]	1260
Apparent Power Consumption [VA]	1272
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]	20
Output cable cross-section	10 mm <sup>2</sup>
Output cable length [m]	3
Output cable terminals (in unit)	M6
Typical Output connector	DIN80
Output fuse, rating [A/VDC]	60A/150VDC
Output fuse type	Fast Semiconductor fuse

## PROPERTIES

Ingress protection	IP20
Ambient temperature range (at full output power) [deg C]	-5 to +40
Ambient max temp (with reduced output power) [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	Convection
Cabinet Type	A27
Certifications	CE
Cloud connection	Yes
User interface	LED/Display
Charging Curve Set	Litium Alg or CAN
I/O-cards	CAN/Detect
Reporting	Yes
Radio communication	Yes

## CHARGER DIMENSIONS

Weight excl. cables [kg]	4
Charger dimensions [mm]	417x255x84

SHIPPING DIMENSIONS

Box dimensions [mm]	185x320x610
Shipping Weight [kg]	7

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