MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

LION 100 48V/165A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	LION 100
DC Rating	48V/165A
Part number	LR4551
Model code	1AA7503
Part status	Released

SUPPLY

Mains Phase	3
Input Voltage [V]	380-415
Nominal Voltage [V]	400
Rated frequency [Hz]	50-60
Max Mains Current (at nominal mains V) [A]	15,7
Current at min rated voltage [A]	16
Current at max rated voltage [A]	15,2
Recommended supply fuse class	C
Recommended RCCB class	B
Mains Cable Area [mm2]	4x2,5 mm2
Mains Cable Length [m]	□2.5
Mains Connector	CEE16
Standby Power Consumption [W]	<10
Power Consumption [W]	10336
Apparent Power Consumption [VA]	10880
Power Factor	0,95
Leakage current [mA]	<3,5
Efficiency (at rated power and no cables) [%]	93

OUTPUT DATA

Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	48
Output Current [A]	165
Battery Cable [mm2]	50 mm2
Battery Cable Length [m]	3
Battery Cable Connection (in charger)	M8
Battery Connector (not included)	DIN320
Output fuse, rating [A/VDC]	200A/150VDC
Output fuse type	Fast Semiconductor fuse

PROPERTIES

IP Protection	IP20
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	A17
Certifications	CE
Cloud connection	Yes
User interface	LED/Display
Charging Curve Set	Litium Alg or CAN
I/O-cards	CAN/Detect
Bluetooth/ NFC connectivity	Yes
Remote connectivity & advanced software functions	Yes

CHARGER DIMENSIONS

Charger Weight excl. Cables [kg]	14
Charger dimensions [mm]	417x256x243

SHIPPING DIMENSIONS

Box dimensions [mm]	465x365x525
Shipping Weight [kg]	21

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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