

TECHNICAL DATA

LION 100 48V/100A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	LS4421
Model	LION 100
Type	48V/100A
MAINS DATA (50/60HZ)	
Output Voltage [V]	48
Output Current [A]	100
Number of phases	3
Rated Voltage range [V]	380-415
Current at nominal voltage [A]	9.5
Recommended supply fuse [A]	10
Supply cable area	4x1,5 mm ²
Supply cable length [m]	3
Typical Supply Connector	CEE16
Output cable cross-section	35 mm ²
BATTERY CONNECTION	
Output cable cross-section	35 mm ²
Output cable terminals (in unit)	M8
Output cable length [m]	3
Typical Output connector	DIN160
Output Voltage [V]	48
ELECTRIC DATA	
Standby Power Consumption [W]	< 10
Power Consumption [W]	6247
Apparent Power Consumption [VA]	6576

Power Factor	0.95
Inrush current, do not tripp fuse of class [A]	B
Output Ripple	<5
Efficiency (at rated power and no cables) [%]	93

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
Cooling	Convection
Short Circuit Protection	Yes
Wrong Polarity Protection	
Cabinet Type	A18
Certifications	CE
HMI	
HMI Language	
Reporting	No
Radio Communication	No
Charging Curve Set	
I/O-cards	
CE	Yes
UL	No

CHARGING TIMES

6 Hours cap.ah/5h

8 Hours cap.ah/5h

10 Hours cap.ah/5h

12 Hours cap.ah/5h

CHARGER DIMENSIONS

Weight excl. cables [kg]	16
Weight incl. cables [kg]	19
Outer Dimensions Height [mm]	529

Outer Dimensions Width [mm]	256
Outer Dimensions Depth [mm]	244
Min Spacing Required	Se User Manual

SHIPPING DIMENSIONS

Shipping Weight [kg]	22
Box Height [mm]	650
Box Width [mm]	370
Box Depth [mm]	440

CHARGING

Charging Ionic

Charging Standard

Charging Gel

Charging Li-Ion

Charging AGM

Moisture Resistance No

Dusty Environment No

Outdoor use No

Cold store No

Tropical No

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