

TECHNICAL DATA

LION 50 36V/105A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	LP3436
Model	LION 50
Type	36V/105A

MAINS DATA (50/60HZ)

Output Voltage [V]	36
Output Current [A]	105
Number of phases	3
Rated Voltage range [V]	480
Current at nominal voltage [A]	6,3
Recommended supply fuse [A]	10
Supply cable area	4xAWG14
Supply cable length [m]	22,5
Typical Supply Connector	L16-20P
Output cable cross-section	#2 AWG

BATTERY CONNECTION

Output cable cross-section	#2 AWG
Output cable terminals (in unit)	M6
Output cable length [m]	3
Typical Output connector	DIN160
Output Voltage [V]	36

ELECTRIC DATA

Standby Power Consumption [W]	<5
Power Consumption [W]	4944
Apparent Power Consumption [VA]	5204

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	Fuse
Cabinet Type	A16
Certifications	UL
HMI	LED/Display
HMI Language	SV / EN / ES / PT / DE
Reporting	Yes
Radio Communication	No
Charging Curve Set	N/A
I/O-cards	Yes
CE	No
UL	Yes

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]	6
Weight incl. cables [kg]	9
Outer Dimensions Height [mm]	387

Outer Dimensions Width [mm]	266
Outer Dimensions Depth [mm]	152
Min Spacing Required	See User Manual

SHIPPING DIMENSIONS

Shipping Weight [kg]	11
Box Height [mm]	260
Box Width [mm]	325
Box Depth [mm]	550

CHARGING

Charging Ionic	0
Charging Standard	0
Charging Gel	0
Charging Li-Ion	0
Charging AGM	0
Moisture Resistance	No
Dusty Environment	No
Outdoor use	No
Cold store	No
Tropical	No

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