

TECHNICAL DATA

LION 100 48V/165A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER	STANDARD
Part number	LS4554
Model	LION 100
Туре	48V/165A
MAINS DATA (50/60HZ)	
Output Voltage [V]	48
Output Current [A]	165
Number of phases	3
Rated Voltage range [V]	440-440
Current at nominal voltage [A]	14.3
Recommended supply fuse [A]	16
Supply cable area	4x2,5 mm2
Supply cable length [m]	3
Typical Supply Connector	CEE16
Output cable cross-section	50 mm2
BATTERY CONNECTION	
Output cable cross-section	50 mm2
Output cable terminals (in unit)	M8
Output cable length [m]	3
Typical Output connector	DIN320
Output Voltage [V]	48
ELECTRIC DATA	
Standby Power Consumption [W]	< 10
Power Consumption [W]	10336
Apparent Power Consumption [VA]	10880

Printout date: 2025-01-31

Part	Power Factor	0.95
PROPERTIES PROPERTIES Ingress protection P20 Annihent temperature range (at fall output power) [deg C] 5t v -40 Annihent temperature range (at fall output power) [deg C] 50 Caeding Convection Convection Shart Circuit Protection Yes Wrong Polarity Protection Fasse Cabinet Type AIR Cartifications CE HMI Linguage SY / EM / EX / PT / DE Reporting Ves Reporting Ves Reporting Curve Set Ves Linguage Ves Lingu	Inrush current, do not tripp fuse of class [A]	В
Ingress protection P20 Ambient temperature range (at full output power) [deg C] 50 Cooling Comection Yes Wrong Polarity Protection Yes Wrong Polarity Protection Fisse Cathleations Cortifications Cortif	Output Ripple	<5
Ingress protection Protection 5 to 40 Annihent temperature range (at full output power) [deg C] 50 Cooling 6 Convection 7 ves Wrong Polarity Protection 7 ves Wrong Polarity Protection 7 EE Williams Annihent Max Comment of the Comme	Efficiency (at rated power and no cables) [%]	93
Ambient temperature range (at full output power) [deg C] 50 to 40 Ambient max temp (with reduced output power) [deg C] 50 Cooling Convection Yes Wrong Polarity Protection Fuse Cabinet Type Al8 Cortifications CE HMI Language SY / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set Ves Ut Vo-cards Yes Ut No CHARGING TIMES 6 Hours capabl/5h 8 Hours capabl/5h 10 Hours capabl/5h 11 Hours capabl/5h 12 Hours capabl/5h 12 Hours capabl/5h Urbeits (kg] 16 Convection Since the single state) Wrong temperature range (at full output power) [deg C] So Ves CHARGING TIMES CHARGING TIMES CHARGING TIMES Since the single state state shows the single state state shows the single state shows the single state state shows the single shows the single state shows the single sh	PROPERTIES	
Annibient max temp (with reduced output power) [deg C] 50 Cooling Convection Short Circuit Protection yes Wrong Pelarity Protection fluse Cabinet Type A18 Certifications CE HMI LED / Display HMI I anguage SV / EN / ES / PT / DE Reporting Yes Redio Communication No Clarging Curw Set NIA U/O-cards Yes CE Yes UL No CHARGING TIMES 6 Hours capalu/5h Yes 10 Hours capalu/5h Yes 12 Hours capalu/5h Yes CHARGER DIMENSIONS Weight text. cables [kg] 16 Weight text. cables [kg] 20	Ingress protection	IP20
Cooling Short Circuit Protection Fuse Cabinet Type Ala Certifications Cet HMI Certifications Cet HMI Alanguage Reporting Repor	Ambient temperature range (at full output power) [deg C]	-5 to +40
Short Circuit Protection Yes Wrong Polarity Protection Fuse Cabinet Type A18 Certifications CE HMI LED / Display HMI Language SV / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set N/A L/C-cards Yes CE Yes UL No CHARGING TIMES 6 Hours capah/5h Yes 10 Hours capah/5h Yes 12 Hours capah/5h Yes CHARGER DIMENSIONS Weight text. cables [kg] 16 Weight inct. cables [kg] 20	Ambient max temp (with reduced output power) [deg C]	50
Wrong Polarity Protection fuse Cabinet Type A18 Certifications CE HMI LED / Display HMI Language SV / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set N/A U. Yes CE Yes UL No CHARGING TIMES 6 Hours capah/5h Yes 8 Hours capah/5h Yes 10 Hours capah/5h Yes 12 Hours capah/5h Yes CHARGER DIMENSIONS Weight text. cables [kg] 16 Weight tixt. cables [kg] 20	Cooling	Convection
Cabinet Type A18 Certifications CE 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 Yes Ut No CHARGING TIMES 6 Hours capah/5h Yes 10 Hours capah/5h Yes 12 Hours capah/5h Yes CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	Short Circuit Protection	Yes
Certifications CE HMI LED / Display HMI Language SV / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set N/A U/O-cards Yes CE Yes UL No CHARGING TIMES 6 Hours capa.h/5h Yes 10 Hours capa.h/5h Yes CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	Wrong Polarity Protection	Fuse
HMI LED / Display HMI Language SV / EN / ES / PT / DE Reporting Yes Redic Communication No Charging Curve Set N/A I/O-eards Yes CE Yes UL No CHARGING TIMES 6 Hours capa.h/5h Yes 10 Hours capa.h/5h Yes CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	Cabinet Type	A18
HMI Language SV / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set N/A I/O-cards Yes CE Yes UL No CHARGING TIMES 6 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] 20	Certifications	CE
Reporting Yes Radio Communication No Charging Curve Set N/A I/O-cards Yes UL No CHARGING TIMES 6 Hours capah/5h ** 10 Hours capah/5h ** 10 Hours capah/5h ** 12 Hours capah/5h ** CHARGER DIMENSIONS ** Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	НМІ	LED / Display
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UL No CHARGING TIMES 6 Hours cap.ah/5h	I/O-cards	Yes
CHARGING TIMES 6 Hours cap.ah/5h 8 Hours cap.ah/5h 10 Hours cap.ah/5h CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg]	CE	Yes
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] 20	UL	No
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12 Hours cap.ah/5h CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	8 Hours cap.ah/5h	
CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	10 Hours cap.ah/5h	
Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	12 Hours cap.ah/5h	
Weight incl. cables [kg] 20	CHARGER DIMENSIONS	
	Weight excl. cables [kg]	16
Outer Dimensions Height [mm] 529	Weight incl. cables [kg]	20
	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]	23
Box Height [mm]	650
Box Width [mm]	370
Box Depth [mm]	440
CHARGING	
Charging Ionic	0
Charging Standard	0
Charging Gel	0
Charging Li-lon	0
Charging AGM	0
Moisture Resistance	No
Dusty Environment	No
Outdoor use	No
Cold store	No
Tropical	No