

TECHNICAL DATA

LION 100 24V/150A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	LS2524
Model	LION 100
Туре	24V/150A
MAINS DATA (50/60HZ)	
Output Voltage [V]	24
Output Current [A]	150
Number of phases	3
Rated Voltage range [V]	440-440
Current at nominal voltage [A]	6.7
Recommended supply fuse [A]	10
Supply cable area	4x1,5 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	DIN160
Output Voltage [V]	24
ELECTRIC DATA	
Standby Power Consumption [W]	< 10
Power Consumption [W]	4846
Apparent Power Consumption [VA]	5101

Interaction of trippione of class [A]BOutor trippione of class [A]	Power Factor	0.95
Filedinery (af rated power and on cables) [%] 91 PROPERTIES P20 Ingress protection P20 Ambient temperature range (at full output power) [deg C] 50 Colling Connection Start Circuit Protection Generation Start Circuit Protection Fes Childen Type All Childen Type Signer Type Charden Type Signer Type	Inrush current, do not tripp fuse of class [A]	В
PROPERTIES Ingress protection Ingreserves Ingreserves Ingress protection Ingress protect	Output Ripple	<5
lagress protectionJP20Annionat temperature range (at full output power) [deg C]-5 to 400Annionat temp (with reduced output power) [deg C]GoveretionCoolingConvectionStart Circuit ProtectionFuseMinor polarity ProtectionFuseCationat TypeAll ConvectionCationat TypeColorableMillColorableMillColorableMill CanagesSy / Div / Sy / PJ / DERadio CommunicationNoCationationationationNoCationationationNoCationationationationNoCationationationationNoCationationationationNoCationationationationNoCationationationationNoCationationationationNoCationationationationNoCationationationationNoCati	Efficiency (at rated power and no cables) [%]	91
Ambient temperature range (at full output power) [deg C] 50 te 40 Ambient temperature range (at full output power) [deg C] 50 Cooling Convection Cooling Convection Short Circuit Protection Yes Wang Polarity Protection Inse Cortifications Ambient temperature range (at full output power) [deg C] Mile Circuit Protection Yes Control Circuit Protection Na Control Circuit Protection Ambient temperature range (at full output power) [deg C] Control Circuit Protection Yes Control Circuit Protection Na Control Circuit Protection Store Polarity Multanguage Yes Reporting Yes Reporting Na Color Circuit Ci	PROPERTIES	
Anbient max temp (with reduced output power) [deg C] 50 Cooling Convection Stort Circuit Protection Ves Wrong Polarity Protection Isse Cabinet Type Al8 Cabinet Type DE International Isse Reprint Protection ED HM DE International IS HMI Stort FT Reporting Ves Report Post Converset	Ingress protection	IP20
CoolingConvectionShort Grout ProtectionYesWrong Polarity ProtectionFuseCabinet TypeAl8CartificationsCHufLED JusplayMill LanguageSV / EN / ES / PT / DERadio CommunicationNoCharging Curve SetN/ALiVosCurdicationsYesCurdicationsYesCurdicationsNoCurdicationNoCharging Curve SetVosLiVosCurdicationNoCurdicationNoCurdicationYesCurdicationYesCurdicationNoCurdicationNoCurdicationNoCurdicationNoCurdicationYesCurdicationYesCurdicationNoCurdicationNoCurdicationNoCurdicationNoCurdicationNoCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationYesCurdicationSecondCurdicationSecondCurdicationSecondCurdicationSecondCurdicationSecondCurdicationSecond <td< td=""><td>Ambient temperature range (at full output power) [deg C]</td><td>-5 to +40</td></td<>	Ambient temperature range (at full output power) [deg C]	-5 to +40
Sher Circuit Protection Yes Wrong Polarity Protection Fuse Cabinet Type Al8 Cabinet Type Defendence Chritications E HM ED / Display HM Langnage SV / EM / ES / PT / DE Reporting Yes Radio Communication NA I/C-cards NA I/C-cards Ves I/L No CL Na I/L	Ambient max temp (with reduced output power) [deg C]	50
Wrong Polarity Protection Fuse Cabinet Type Al8 Cartifications El / Display Cartifications El / Display HMI Display HMI Anguage SV / EN / ES / PT / DE Reporting Vision Reporting Vision Radio Communication No D'orards Via Clarging Curve Set Via L/Coards Via CL Via D'de Carding Via L/D cards Via Clarging Curve Set Via L/Coards Via Clarging Curve Set Via L/D cards Via Clarging Curve Set Via L/D cards Via	Cooling	Convection
Cabinet Type Al8 Cartifications GE Dertifications LED / Display HMI Language SV / EN / ES / PT / DE Reporting Ves Radio Communication No I/D-cards N/A I/C-cards Yes I/L No LL No LL No Blurs capah/5h Yes 10 Hours capah/5h Yes 11 Hours capah/5h Yes 12 Hours capah/5h Yes 13 Hours capah/5h Yes 14 Hours capah/5h Yes 15 Hours capah/5h Yes 16 Hours capah/5h Yes 17 Hours capah/5h Yes 18 Hours capah/5h Yes 19 Hours capah/5h Yes 10 Hours capah/5h Yes <	Short Circuit Protection	Yes
Certifications CE HMI LED / Display HMI Language SV / EN / ES / PT / DE Reporting Ves Radio Communication No Charging Curve Set NA /C-cards Ves CE Ves CL <t< td=""><td>Wrong Polarity Protection</td><td>Fuse</td></t<>	Wrong Polarity Protection	Fuse
HMI Language ED Jupping HMI Language SV FN / ES / PT / DE Reporting Yes Reporting Yes Road Communication N/A Charging Curve Set N/A Vo Charging Curve Set V/A Vo	Cabinet Type	A18
HM Language SV / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set N/A 1/0-cards Yes CE Yes UL No CHARGING TIMES F Hours cap.ah/Sh Yes 10 Hours cap.ah/Sh Yes 12 Hours cap.ah/Sh Yes 12 Hours cap.ah/Sh Yes 12 Hours cap.ah/Sh Yes Yes Yes 13 Hours cap.ah/Sh Yes Yes Yes	Certifications	CE
Reporting Yes Radio Communication No Charging Curve Set N/A //O-cards Yes CE Yes UL No CHARGING TIMES 6 Hours cap.ah/5h S 10 Hours cap.ah/5h S 12 Hours cap.ah/5h S 12 Hours cap.ah/5h S 12 Hours cap.ah/5h S PARGER DIMENSIONS S Weight text. cables [kg] 16 Weight text. cables [kg] 20	НМІ	LED / Display
Radio CommunicationNoCharging Curve SetN/AI/O-cardsYesCEYesULNoCHARGING TIMES6 Hours cap.ah/5h-10 Hours cap.ah/5h-10 Hours cap.ah/5h-10 Hours cap.ah/5h-10 Hours cap.ah/5h-12 Hours cap.ah/5h-10 Hours cap.ah/5h-11 Hours cap.ah/5h-12 Hours cap.ah/5h-13 Hours cap.ah/5h-14 Hours cap.ah/5h-15 Hours cap.ah/5h-16 Hours cap.ah/5h-17 Hours cap.ah/5h-18 Hours cap.ah/5h-19 Hours cap.ah/5h-10 Hours cap.ah/5h-10 Hours cap.ah/5h-10 Hours cap.ah/5h-10 Hours cap.ah/5h- <tr< td=""><td>HMI Language</td><td>SV / EN / ES / PT / DE</td></tr<>	HMI Language	SV / EN / ES / PT / DE
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 - 10 Hours cap.ah/5h - 12 Hours cap.ah/5h - 12 Hours cap.ah/5h - 12 Hours cap.ah/5h - 12 Hours cap.ah/5h - 14 Uhurs cap.ah/5h - 14 Uhurs cap.ah/5h - 15 Hours cap.ah/5h - 16 Hours cap.ah/5h - 17 Hours cap.ah/5h - 18 Uhurs cap.ah/5h - 19 Hours cap.ah/5h - 10 Hours cap.ah/5h - 10 Hours cap.ah/5h - Utip text. cables [kg] 16 Yeight text. cables [kg] 20	Reporting	Yes
I/O-cardsYesCEVesULNoCHARGING TIMES6 Hours cap.ah/5h-8 Hours cap.ah/5h-10 Hours cap.ah/5h-12 Hours cap.ah/5h-12 Hours cap.ah/5h-CHARGER DIMENSIONS-Weight excl. cables [kg]16Veight incl. cables [kg]20	Radio Communication	No
CE Yes UL No CHARGING TIMES G Hours cap.ah/5h - 8 Hours cap.ah/5h - 10 Hours cap.ah/5h - 10 Hours cap.ah/5h - 12 Hours cap.ah/5h - 13 Hours cap.ah/5h - 14 Hours cap.ah/5h - 13 Hours cap.ah/5h - 14 Hours cap.ah/5h - 14 Hours cap.ah/5h - 15 Hours cap.ah/5h - 16 Hours cap.ah/5h - 17 Hours cap.ah/5h - 18 Hours cap.ah/5h - 19 Hours cap.ah/5h	Charging Curve Set	N/A
ULNoCHARGING TIMES6 Hours capah/5h-8 Hours capah/5h-10 Hours capah/5h-12 Hours capah/5h-CHARGER DIMENSIONSVeight excl. cables [kg]160-9-<	I/O-cards	Yes
CHARGING TIMES6 Hours cap.ah/5h8 Hours cap.ah/5h10 Hours cap.ah/5h12 Hours cap.ah/5hCHARGER DIMENSIONSWeight excl. cables [kg]16	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
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	CHARGING TIMES	
10 Hours cap.ah/5h 12 Hours cap.ah/5h CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 20	6 Hours cap.ah/5h	
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-Ion	0
Charging AGM	0
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.