

TECHNICAL DATA

LION 100 24V/170A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

| Part number | LS2563 |
|----------------------------------|-----------|
| Model | LION 100 |
| Туре | 24V/170A |
| MAINS DATA (50/60HZ) | |
| Output Voltage [V] | 24 |
| Output Current [A] | 170 |
| Number of phases | 3 |
| Rated Voltage range [V] | 208-240 |
| Current at nominal voltage [A] | 16.0 |
| Recommended supply fuse [A] | 16 |
| Supply cable area | 4x1,5 mm2 |
| Supply cable length [m] | 3 |
| Typical Supply Connector | CEE16 |
| Output cable cross-section | 70 mm2 |
| BATTERY CONNECTION | |
| Output cable cross-section | 70 mm2 |
| Output cable terminals (in unit) | M8 |
| Output cable length [m] | 3 |
| Typical Output connector | DIN320 |
| Output Voltage [V] | 24 |
| ELECTRIC DATA | |
| Standby Power Consumption [W] | < 10 |
| Power Consumption [W] | 5453 |
| Apparent Power Consumption [VA] | 5740 |

| Intelaurent, di not tripp faue of class [A]BOutpet Trippe-5Breiser pote tratted power and no cables [%]90POPETTIES-30-40Andent camperatur ange (nt fli actupt power) [dig C]-30-40Andent ans trimp (with reduced utipp power) [dig C]00Colling-50-40< | Power Factor | 0.95 |
|--|--|------------------------|
| Billionizy (at rated power and no cablies) [%] 90 PROPERTIES P20 Ingress protection P20 Ambient tempersture range (at hill adapt power) [deg C] 50 = 40 Colling Gomection Start Error Hondersdorphon power) [deg C] Main Chaines Partie Main Bild Error Partie Main Start Error Hondersdorphon power) [deg C] Kale Radio Communication No Radio Communication | Inrush current, do not tripp fuse of class [A] | В |
| ProPERTIES Ingress protection Ingress protection Ingress protection Anbient temperoture range (1 till output power) (deg C) Solution Cooling | Output Ripple | <5 |
| Ingress protectionP20Annient temperature range (at full output power) [deg C]-5 to 40Annient temp (with reduced autput power) [deg C]GowertionCollingCowertionStort Circuit ProtectionYesWang Polarity ProtectionFasCation TypeAllCation TypeAllCation TypeBio SecondMillCowertionCation TypeKir SecondMillCation TypeMillCation TypeMillSecondMillSecondRadion SecondNoRadion SecondNoRadio CommunicationNoCatardsNo | Efficiency (at rated power and no cables) [%] | 90 |
| Ambient temperature range (at full output power) [deg C] 50 r-40 Anthient max temp (with reduced output power) [deg C] 50 Cooling Convection Short Circuit Protection Ves Winag Polarity Frotection Fase Cooling AMB Contract Circuit Protection AB Contract Circuit Protection Convection Mult Circuit Protection Convection Mult Circuit Protection Convection Mult Circuit Protection SV (PN / ES / PT / DE Reporting Ven / ES / PT / DE Reporting Circuit Sci N/A I/Coards No I/Coards Ven / ES / PT / DE I/L Cards Ven / ES / PT / DE I/L Cards Ven / ES / PT / DE I/L Cards Ven / ES / PT / DE I/L Cards Ven / ES / PT / DE I/L Cards Ven / ES / | PROPERTIES | |
| Ambient max temp (with reduced output power) [deg C] 50 Cooling Convection Short Circuit Protection Ves Wrong Polarity Protection Fuso Cabinet Type All8 Cabinet Type LED / Display Cabinet Type Ves Hul Cabinet Type Hul Anguage Ves Reporting Ves Redo Communication No Clarity Cours Set No L/C-ards Ves Clarity Cours Set Ves Reporting Ves Clarity Cours Set No L/C-ards Ves Clarity Cours Set Ves L/L-ards Ves L/L-ards Ves | Ingress protection | IP20 |
| CoolingConvectionShort Grout ProtectionVesWrage Polarity ProtectionFaseCabinet TypeA18CartificationsCeHMLED JuspiayHMISV / EN / ES / PT / DERapartingVs / EN / ES / PT / DERapartingNaCarding Courve SetNAClarging Courve SetVesLIVesClarging Courve SetVesUVesClarging Courve SetVesUNaClarging Courve SetVesClarging Courve SetVes </td <td>Ambient temperature range (at full output power) [deg C]</td> <td>-5 to +40</td> | Ambient temperature range (at full output power) [deg C] | -5 to +40 |
| Short Circuit Protection Short Circuit Protection Fus Short Circuit Protection Subort Type Subort Ty | Ambient max temp (with reduced output power) [deg C] | 50 |
| Wrong Polarity Protection Fuse Cabinet Type A18 Cartifications E0 Detrifications E0 HMI ED / Display HMI Language SV / EN / ES / PT / DE Reporting Ves Radio Communication No Darging Curve Set NA J/C-cards Ves QL No QL No PLARGING TIMES Ves 8 Hours capah/Sh Sector 10 Hours capah/Sh Ves 11 Hours capah/Sh Sector 12 Hours capah/Sh Sector 13 Hours capah/Sh Sector 14 Hours capah/Sh Sector 15 Hours capah/Sh Sector 16 Hours capah/Sh Sector 17 Hours capah/Sh Sector 18 Hours capah/Sh Sector 19 Hours capah/Sh Sector 10 Hours capah/Sh Sector 10 Hours capah/Sh Sector 10 Hours capah/Sh Sector 10 Hou | Cooling | Convection |
| Cabinet Type A18 Certifications CE HMI LED / Display HMI Language SV / EN / ES / PT / DE Reporting Vs Radio Communication No I/D-cards N/A I/C-cards Yes IL No Blurs capah/5h Yes 1 Phurs capah/5h Yes Yes Yes | Short Circuit Protection | Yes |
| Certifications CE HM LED / Display HM Language SV / EN / SS / PT / DE Reporting Ves Radio Communication No Charging Curve Set N/A 1/O-cards Yes CE Yes CL No CL Yes CL Yes CL No CL Yes CL | Wrong Polarity Protection | Fuse |
| 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 U Yes CLARGEING TIMES Yes F Hours capah/5h Yes 1 Hours capah/5h Yes Yes Yes <t< td=""><td>Cabinet Type</td><td>A18</td></t<> | Cabinet Type | A18 |
| HM 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 Yes F Hours cap.ah/5h Yes 10 Hours cap.ah/5h Yes 12 Hours cap.ah/5h Yes Yes Yes 13 Hours cap.ah/5h 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 capah/5h S 10 Hours capah/5h S 11 Hours capah/5h S 12 Hours capah/5h S Veght excl. cables [kg] 16 Veght net. cables [kg] 16 Veght net. cables [kg] 22 | HMI | LED / Display |
| Radio CommunicationNoCharging Curve SetN/AI/O-cardsYesCEYesULNoCHARGING TIMES6 Hours cap.ah/5h-10 Hours cap.ah/5h-10 Hours cap.ah/5h-12 Hours cap.ah/5h-12 Hours cap.ah/5h-Weight excl. cables [kg]16Veight incl. cables [kg]16 | HMI Language | SV / EN / ES / PT / DE |
| Charging Curve Set NA 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 - 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 - Weight excl. cables [kg] 16 Yeight nucl. cables [kg] 22 | Reporting | Yes |
| I/O-cardsYesCEYesULNoCHARGING 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-12 Hours cap.ah/5h-CHARGER DIMENSIONS-Wight excl. cables [kg]16Yeght incl. cables [kg]22 | Radio Communication | No |
| CE Yes UL No CHARGING TIMES G Hours cap.ah/5h - 8 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 - 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 cap.ah/5h-8 Hours cap.ah/5h-10 Hours cap.ah/5h-12 Hours cap.ah/5h-CHARGER DIMENSIONSVeight excl. cables [kg]160 Hours cap.ah [kg]22 | I/O-cards | Yes |
| CHARGING TIMES6 Hours cap.ah/5h8 Hours cap.ah/5h10 Hours cap.ah/5h12 Hours cap.ah/5hCHARGER DIMENSIONSVieght excl. cables [kg]16Vieght incl. cables [kg]21 | 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] 22 | 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] 22 | CHARGING TIMES | |
| 10 Hours cap.ah/5h 12 Hours cap.ah/5h CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 22 | 6 Hours cap.ah/5h | |
| 12 Hours cap.ah/5h CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 22 | 8 Hours cap.ah/5h | |
| CHARGER DIMENSIONS Weight excl. cables [kg] 16 Weight incl. cables [kg] 22 | 10 Hours cap.ah/5h | |
| Weight excl. cables [kg] 16 Weight incl. cables [kg] 22 | 12 Hours cap.ah/5h | |
| Weight incl. cables [kg] 22 | CHARGER DIMENSIONS | |
| | Weight excl. cables [kg] | 16 |
| Outer Dimensions Height [mm] 529 | Weight incl. cables [kg] | 22 |
| | 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] | 25 |
| 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.