MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

# TECHNICAL DATA

# LION 11 24V/40A BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|---|---|
| Part number | L12300 |
| Model | Lion 11 |
| Type | 24V/40A |
| **MAINS DATA (50/60HZ)** | |
| Output Voltage [V] | 24 |
| Output Current [A] | 40 |
| Mains Phase | 1 |
| Input Voltage [V] | 220-240 |
| Max Mains Current (at nominal mains V) [A] | 5,5 |
| Recommended Mains Fuse [A] | 10 |
| Mains Cable Area [mm2] | 3x1,0 mm2 |
| Mains Cable Length [m] | 2,3 |
| Mains Connector | 10A Schuko |
| Battery Cable [mm2] | 10 mm2 |
| **BATTERY CONNECTION** | |
| Battery Cable [mm2] | 10 mm2 |
| Battery Cable Connection (in charger) | M5 |
| Battery Cable Length [m] | 2 |
| Battery Connector (not included) | User defined |
| Output Voltage [V] | 24 |
| **ELECTRIC DATA** | |
| Standby Power Consumption [W] | <5 |
| Power Consumption [W] | 1307 |
| Apparent Power Consumption [VA] | 1320 |

| | |
|---|---|
| Power Factor | 0,99 |
| Inrush Current [A] | B |
| Output Ripple | <5 |
| Efficiency (at rated power and no cables) [%] | 92 |

## PROPERTIES

| | |
|---|---|
| IP Protection | IP20 |
| Operation Temperature [deg C] | -35 to +40 |
| Ambient Max Temperature (with reduced capacity) [deg C] | 55 |
| Cooling | Convection |
| Short Circuit Protection | 1 |
| Wrong Polarity Protection | Fuse |
| Cabinet Type | S40 |
| Certifications | CE |
| HMI | LED |
| HMI Language | - |
| Bluetooth/ NFC connectivity | No |
| Remote connectivity & advanced software functions | No |
| Charging Curve Set | N/A |
| I/O-cards | Optional |
| CE | Yes |
| UL | No |

## CHARGING TIMES

| | |
|---|---|
| 6 Hours cap.ah/5h | 235 |
| 8 Hours cap.ah/5h | 340 |
| 10 Hours cap.ah/5h | 445 |
| 12 Hours cap.ah/5h | 550 |

## CHARGER DIMENSIONS

| | |
|---|---|
| Charger Weight excl. Cables [kg] | 3.2 |
| Charger Weight incl. Cables [kg] | 3.9 |
| Outer Dimensions Height [mm] | 262 |

| | |
|---|---|
| Outer Dimensions Width [mm] | 230 |
| Outer Dimensions Depth [mm] | 80 |
| Min Spacing Required | See User Manual |

## SHIPPING DIMENSIONS

| | |
|---|---|
| Shipping Weight [kg] | 4.5 |
| Box Height [mm] | 135 |
| Box Width [mm] | 380 |
| Box Depth [mm] | 250 |

## CHARGING

| | |
|---|---|
| Charging Ionic | |
| Charging Standard | |
| Charging Gel | |
| Charging Li-Ion | CAN bus, external BMS |
| 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 Group AB.*

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