MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

# TECHNICAL DATA

# LION 30 24V/80A BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|---|---|
| Family | LION 30 |
| DC Rating | 24V/80A |
| Part number | LB2380 |
| Model code | 3A83901 |
| Part status | Released |

## SUPPLY

| | |
|---|---|
| Number of phases | 1 |
| Rated Voltage range [V] | 220-240 |
| Nominal Voltage [V] | 230 |
| Rated frequency [Hz] | 50-60 |
| Current at nominal voltage [A] | 10 |
| Current at min rated voltage [A] | 10 |
| Current at max rated voltage [A] | 10 |
| Recommended supply fuse class | C |
| Recommended RCCB class | A |
| Supply cable area | 3x1,5 mm2 |
| Supply cable length [m] | 2,5 |
| Typical Supply Connector | 16A Schuko |
| Standby Power Consumption [W] | <5 |
| Power Consumption [W] | 2272 |
| Apparent Power Consumption [VA] | 2295 |
| Power Factor | 0,99 |
| Leakage current [mA] | <3,5 |
| Efficiency (at rated power and no cables) [%] | 92 |

## OUTPUT DATA

| | |
|---|---|
| Reversed polarity protection | Fuse |
| Short Circuit Protection | Yes |
| Output Voltage [V] | 24 |
| Output Current [A] | 80 |
| Output cable cross-section | 25 mm2 |
| Output cable length [m] | 3 |
| Output cable terminals (in unit) | M6 |
| Typical Output connector | DIN80 |
| Output fuse, rating [A/VDC] | 100A/150VDC |
| Output fuse type | Inline external, Fast Semiconductor fuse |

## PROPERTIES

| | |
|---|---|
| Ingress protection | IP54 (IP66 optional) |
| Operation Temperature [deg C] | -5 to +40 |
| Ambient max temp (with reduced output power) [deg C] | 50 |
| Ambient storage and transport temperature [C] | -40 to +80/1000h |
| Maximum operating altitude [m] | 2000 |
| Maximum humidity, non-condensing [%] | 90 |
| Cooling | Fan |
| Cabinet Type | A11 |
| Certifications | CE |
| Cloud connection | No |
| User interface | LED |
| Charging Curve Set | Litium Alg or CAN |
| I/O-cards | CAN/Detect |
| Reporting | No |
| Radio communication | Yes |

## CHARGER DIMENSIONS

| | |
|---|---|
| Weight excl. cables [kg] | 5 |
| Charger dimensions [mm] | 408x235x78 |

## SHIPPING DIMENSIONS

| | |
|---|---|
| Box dimensions [mm] | 165x265x600 |
| Shipping Weight [kg] | 9 |

*The information in this document is subject to change without notice and should not be construed as a commitment by Micropower Sweden AB.*

Micropower Group
Gullhallavägen 20
SE-352 50 Växjö
Sweden

Phone: +46 (0) 470-72 74 00
sales@micropower.se
www.micropower-group.se

Printout date: 2026-10-24