

## 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 mm <sup>2</sup> |
| 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 mm <sup>2</sup>                       |
| 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) |
| Ambient temperature range (at full output power) [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 [%rh]                   | 90                   |
| Cooling  | Convection           |
| 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.*