

## TECHNICAL DATA

# LION 200 48V/300A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |          |
|-------------|----------|
| Family      | LION 200 |
| DC Rating   | 48V/300A |
| Part number | LU4761   |
| Model code  | 1AA8514  |
| Part status | Released |

### SUPPLY

|   |                     |
|---|---------------------|
| Number of phases                              | 3                   |
| Rated Voltage range [V]                       | 380-415             |
| Nominal Voltage [V]                           | 400                 |
| Rated frequency [Hz]                          | 50-60               |
| Current at nominal voltage [A]                | 28,6                |
| Current at min rated voltage [A]              | 30,1                |
| Current at max rated voltage [A]              | 27,5                |
| Recommended supply fuse class                 | C                   |
| Recommended RCCB class                        | B                   |
| Supply cable area                             | 4x6 mm <sup>2</sup> |
| Supply cable length [m]                       | ??,5                |
| Typical Supply Connector                      | CEE32               |
| Standby Power Consumption [W]                 | <15                 |
| Power Consumption [W]                         | 18774               |
| Apparent Power Consumption [VA]               | 19762               |
| Power Factor                                  | 0,95                |
| Leakage current [mA]                          | <3,5                |
| Efficiency (at rated power and no cables) [%] | 93                  |

## OUTPUT DATA

|                                  |                         |
|----------------------------------|-------------------------|
| Reversed polarity protection     | Fuse                    |
| Short Circuit Protection         | Yes                     |
| Output Voltage [V]               | 48                      |
| Output Current [A]               | 300                     |
| Output cable cross-section       | 4/0 AWG                 |
| Output cable length [m]          | 3                       |
| Output cable terminals (in unit) | M10                     |
| Typical Output connector         | DIN320                  |
| Output fuse, rating [A/VDC]      | 2x200A/150VDC           |
| Output fuse type                 | Fast Semiconductor fuse |

## PROPERTIES

|  |                   |
|--|-------------------|
| Ingress protection                                       | IP20              |
| 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   | A22               |
| Certifications   | CE                |
| Cloud connection   | Yes               |
| User interface   | LED/Display       |
| Charging Curve Set                                       | Litium Alg or CAN |
| I/O-cards  | CAN/Detect        |
| Reporting  | Yes               |
| Radio communication                                      | Yes               |

## CHARGER DIMENSIONS

|                          |             |
|--------------------------|-------------|
| Weight excl. cables [kg] | 34          |
| Charger dimensions [mm]  | 659x256x459 |

SHIPPING DIMENSIONS

|                      |             |
|----------------------|-------------|
| Box dimensions [mm]  | 435x370x690 |
| Shipping Weight [kg] | 47          |

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