

## TECHNICAL DATA

# LION 100 48V/165A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |          |
|-------------|----------|
| Part number | LR4551   |
| Model       | LION 100 |
| Type        | 48V/165A |

#### MAINS DATA (50/60HZ)

|                                |                       |
|--------------------------------|-----------------------|
| Output Voltage [V]             | 48                    |
| Output Current [A]             | 165                   |
| Number of phases               | 3                     |
| Rated Voltage range [V]        | 380-415               |
| Current at nominal voltage [A] | 15.7                  |
| Recommended supply fuse [A]    | 16                    |
| Supply cable area              | 4x2,5 mm <sup>2</sup> |
| Supply cable length [m]        | 3                     |
| Typical Supply Connector       | CEE16                 |
| Output cable cross-section     | 50 mm <sup>2</sup>    |

#### BATTERY CONNECTION

|                                  |                    |
|----------------------------------|--------------------|
| Output cable cross-section       | 50 mm <sup>2</sup> |
| Output cable terminals (in unit) | M8                 |
| Output cable length [m]          | 3                  |
| Typical Output connector         | DIN320             |
| Output Voltage [V]               | 48                 |

#### ELECTRIC DATA

|                                 |       |
|---------------------------------|-------|
| Standby Power Consumption [W]   | < 10  |
| Power Consumption [W]           | 10336 |
| Apparent Power Consumption [VA] | 10880 |

|  |      |
|--|------|
| Power Factor                                   | 0.95 |
| Inrush current, do not tripp fuse of class [A] | B    |
| Output Ripple                                  | <5   |
| Efficiency (at rated power and no cables) [%]  | 93   |

## 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                     |
| Cooling  | Convection             |
| Short Circuit Protection                                 | Yes                    |
| Wrong Polarity Protection                                | Fuse                   |
| Cabinet Type   | A17                    |
| Certifications   | CE                     |
| 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                    |
| UL   | No                     |

## CHARGING TIMES

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]     | 14  |
| Weight incl. cables [kg]     | 19  |
| Outer Dimensions Height [mm] | 417 |

|                             |                |
|-----------------------------|----------------|
| Outer Dimensions Width [mm] | 256            |
| Outer Dimensions Depth [mm] | 243            |
| Min Spacing Required        | Se User Manual |

## SHIPPING DIMENSIONS

|                      |     |
|----------------------|-----|
| Shipping Weight [kg] | 21  |
| Box Height [mm]      | 465 |
| Box Width [mm]       | 365 |
| Box Depth [mm]       | 525 |

## 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.*