

# TECHNICAL DATA

# LION 200 BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |          |
|-------------|----------|
| Part number | LU3803   |
| Model       | LION 200 |
| Type        | 36V/340A |

## MAINS DATA (50/60HZ)

|                                |                     |
|--------------------------------|---------------------|
| Output Voltage [V]             | 36                  |
| Output Current [A]             | 340                 |
| Number of phases               | 3                   |
| Rated Voltage range [V]        | 200-240             |
| Current at nominal voltage [A] | 45,2                |
| Recommended supply fuse [A]    | 50                  |
| Supply cable area              | 4x10                |
| Supply cable length [m]        | 3                   |
| Typical Supply Connector       | Not included        |
| Output cable cross-section     | 2xAWG4/0(High temp) |

## BATTERY CONNECTION

|                                  |                     |
|----------------------------------|---------------------|
| Output cable cross-section       | 2xAWG4/0(High temp) |
| Output cable terminals (in unit) | M10                 |
| Output cable length [m]          | 3                   |
| Typical Output connector         | User defined        |
| Output Voltage [V]               | 36                  |

## ELECTRIC DATA

|                                 |       |
|---------------------------------|-------|
| Standby Power Consumption [W]   | <15   |
| Power Consumption [W]           | 15461 |
| Apparent Power Consumption [VA] | 16274 |

|  |            |
|--|------------|
| Power Factor                                   | 0,95       |
| Inrush current, do not tripp fuse of class [A] | Negligible |
| Output Ripple                                  | <1         |
| Efficiency (at rated power and no cables) [%]  | 91         |

## 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  | Fan                    |
| Short Circuit Protection                                 | 1                      |
| Wrong Polarity Protection                                | Fuse                   |
| Cabinet Type   | A22                    |
| Certifications   |                        |
| 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]     |     |
| Weight incl. cables [kg]     |     |
| Outer Dimensions Height [mm] | 659 |

|                             |     |
|-----------------------------|-----|
| Outer Dimensions Width [mm] | 256 |
| Outer Dimensions Depth [mm] | 459 |
| Min Spacing Required        | 300 |

## SHIPPING DIMENSIONS

|                      |     |
|----------------------|-----|
| Shipping Weight [kg] | 48  |
| Box Height [mm]      | 820 |
| Box Width [mm]       | 360 |
| Box Depth [mm]       | 560 |

## 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 |

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