

TECHNICAL DATA

LION 100 48V/165A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|-------------|----------|
| Part number | LS4551 |
| 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 ² |
| Supply cable length [m] | 3 |
| Typical Supply Connector | CEE16 |
| Output cable cross-section | 50 mm ² |

BATTERY CONNECTION

| | |
|----------------------------------|--------------------|
| Output cable cross-section | 50 mm ² |
| 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 | A18 |
| Certifications | CE |
| HMI | LED / Display |
| HMI Language | SV / EN / ES / PT / DE |
| Reporting | Yes |
| Radio Communication | No |
| Charging Curve Set | Multiple |
| I/O-cards | Optional |
| 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] | 16 |
| Weight incl. cables [kg] | 20 |
| Outer Dimensions Height [mm] | 529 |

| | |
|-----------------------------|----------------|
| Outer Dimensions Width [mm] | 256 |
| Outer Dimensions Depth [mm] | 244 |
| Min Spacing Required | Se User Manual |

SHIPPING DIMENSIONS

| | |
|----------------------|-----|
| Shipping Weight [kg] | 23 |
| Box Height [mm] | 650 |
| Box Width [mm] | 370 |
| Box Depth [mm] | 440 |

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.