

TECHNICAL DATA

LION 100 48V/165A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|-------------|----------|
| Family | LION 100 |
| DC Rating | 48V/165A |
| Part number | LR4551 |
| Model code | 1AA7503 |
| 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] | 15.7 |
| Current at min rated voltage [A] | 16 |
| Current at max rated voltage [A] | 15.2 |
| Recommended supply fuse class | C |
| Recommended RCCB class | A |
| Supply cable area | 4x2,5 mm ² |
| Supply cable length [m] | 3 |
| Typical Supply Connector | CEE16 |
| Standby Power Consumption [W] | < 10 |
| Power Consumption [W] | 10336 |
| Apparent Power Consumption [VA] | 10880 |
| 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] | 165 |
| Output cable cross-section | 50 mm ² |
| Output cable length [m] | 3 |
| Output cable terminals (in unit) | M8 |
| Typical Output connector | DIN320 |
| Output fuse, rating [A/VDC] | 200A/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 | A17 |
| 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] | 14 |
| Charger dimensions [mm] | 417x256x243 |

SHIPPING DIMENSIONS

| | |
|----------------------|-------------|
| Box dimensions [mm] | 465x365x525 |
| Shipping Weight [kg] | 21 |

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