MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

# TECHNICAL DATA

# LION 30 24V/40A BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|---|---|
| Family | LION 30 |
| DC Rating | 24V/40A |
| Part number | LA2300 |
| Model code | 3A83801 |
| Part status | Released |

## SUPPLY

| | |
|---|---|
| Mains Phase | 1 |
| Input Voltage [V] | 220-240 |
| Nominal Voltage [V] | 230 |
| Rated frequency [Hz] | 50-60 |
| Max Mains Current (at nominal mains V) [A] | 5,6 |
| Current at min rated voltage [A] | 5,9 |
| Current at max rated voltage [A] | 5,4 |
| Recommended supply fuse class | C |
| Recommended RCCB class | A |
| Mains Cable Area [mm2] | 3x1,0 mm2 |
| Mains Cable Length [m] | 2,5 |
| Mains Connector | 10A Schuko |
| Standby Power Consumption [W] | <5 |
| Power Consumption [W] | 1282 |
| Apparent Power Consumption [VA] | 1295 |
| Power Factor | 0,99 |
| Leakage current [mA] | <3,5 |
| Efficiency (at rated power and no cables) [%] | 92 |

## OUTPUT DATA

| | |
|---|---|
| Reversed polarity protection | Fuse |
| Short Circuit Protection | Yes |
| Output Voltage [V] | 24 |
| Output Current [A] | 40 |
| Battery Cable [mm2] | 10 mm2 |
| Battery Cable Length [m] | 3 |
| Battery Cable Connection (in charger) | M6 |
| Battery Connector (not included) | DIN80 |
| Output fuse, rating [A/VDC] | 80A/150VDC |
| Output fuse type | Inline external, Fast Semiconductor fuse |

## PROPERTIES

| | |
|---|---|
| IP Protection | IP54 (IP66 optional) |
| Operation Temperature [deg C] | -5 to +40 |
| Ambient Max Temperature (with reduced capacity) [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 | Fan |
| Cabinet Type | A10 |
| Certifications | CE |
| Cloud connection | No |
| User interface | LED |
| Charging Curve Set | Litium Alg or CAN |
| I/O-cards | CAN/Detect |
| Bluetooth/ NFC connectivity | No |
| Remote connectivity & advanced software functions | Yes |

## CHARGER DIMENSIONS

| | |
|---|---|
| Charger Weight excl. Cables [kg] | 4 |
| Charger dimensions [mm] | 349x235x79 |

## SHIPPING DIMENSIONS

| | |
|---|---|
| Box dimensions [mm] | 165x265x600 |
| Shipping Weight [kg] | 6 |

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

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