

## TECHNICAL DATA

# MICROPOWER ST40 LI 24V/130A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |                 |
|-------------|-----------------|
| Family      | Micropower ST40 |
| DC Rating   | 24V/130A        |
| Part number | LN2489          |
| Model code  | 1AA6451         |
| Part status | Released        |

### SUPPLY

|   |                       |
|---|-----------------------|
| Number of phases                              | 3                     |
| Rated Voltage range [V]                       | 380-440               |
| Nominal Voltage [V]                           | 400                   |
| Rated frequency [Hz]                          | 50-60                 |
| Current at nominal voltage [A]                | 6,2                   |
| Current at min rated voltage [A]              | 6,6                   |
| Current at max rated voltage [A]              | 5,7                   |
| Recommended supply fuse class                 | C                     |
| Recommended RCCB class                        | B                     |
| Supply cable area                             | 4x1,5 mm <sup>2</sup> |
| Supply cable length [m]                       | □2,5                  |
| Typical Supply Connector                      | GEE16                 |
| Standby Power Consumption [W]                 | <2,5                  |
| Power Consumption [W]                         | 4068                  |
| Apparent Power Consumption [VA]               | 4314                  |
| Power Factor                                  | 0,94                  |
| Leakage current [mA]                          | <3,5                  |
| Efficiency (at rated power and no cables) [%] | 94                    |

## OUTPUT DATA

|                                  |                         |
|----------------------------------|-------------------------|
| Reversed polarity protection     | Fuse                    |
| Short Circuit Protection         | Yes                     |
| Output Voltage [V]               | 24                      |
| Output Current [A]               | 130                     |
| Output cable cross-section       | 50 mm <sup>2</sup>      |
| Output cable length [m]          | 3                       |
| Output cable terminals (in unit) | M6                      |
| Typical Output connector         | DIN160                  |
| Output fuse, rating [A/VDC]      | 180A/150VDC             |
| Output fuse type                 | Fast Semiconductor fuse |

## PROPERTIES

|  |                   |
|--|-------------------|
| Ingress protection                                       | IP21              |
| 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   | A24               |
| 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] | 8           |
| Charger dimensions [mm]  | 338x335x239 |

## SHIPPING DIMENSIONS

Box dimensions [mm]

350x380x530

Shipping Weight [kg]

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