

## TECHNICAL DATA

# MICROPOWER SX23 PB 48V/40A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |                 |
|-------------|-----------------|
| Family      | Micropower SX23 |
| DC Rating   | 48V/40A         |
| Part number | WN4300-A1       |
| Model code  | 3AGD830         |
| Part status | Released        |

### SUPPLY

|   |                        |
|---|------------------------|
| Number of phases                              | 1                      |
| Rated Voltage range [V]                       | 220-240                |
| Nominal Voltage [V]                           | 230                    |
| Rated frequency [Hz]                          | 50-60                  |
| Current at nominal voltage [A]                | 11.4                   |
| Current at min rated voltage [A]              | 12.0                   |
| Current at max rated voltage [A]              | 10.9                   |
| Recommended supply fuse class                 | C                      |
| Recommended RCCB class                        | A                      |
| Supply cable area                             | 3x1.5 mm <sup>2</sup>  |
| Supply cable length [m]                       | 2.3                    |
| Typical Supply Connector                      | Fixed or IEC C19/CEE17 |
| Standby Power Consumption [W]                 | <5                     |
| Power Consumption [W]                         | 2561,758242            |
| Apparent Power Consumption [VA]               | 2614,039022            |
| Power Factor                                  | 0.98                   |
| Leakage current [mA]                          | <3.5                   |
| Efficiency (at rated power and no cables) [%] | 91                     |

## OUTPUT DATA

|                                  |                         |
|----------------------------------|-------------------------|
| Reversed polarity protection     | Fuse                    |
| Short Circuit Protection         | Yes                     |
| Output Voltage [V]               | 48                      |
| Output Current [A]               | 40                      |
| Output cable cross-section       | 16 mm <sup>2</sup>      |
| Output cable length [m]          | 3                       |
| Output cable terminals (in unit) | M6                      |
| Typical Output connector         | DIN80                   |
| Output fuse, rating [A/VDC]      | 100A/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]     | 55                          |
| Ambient storage and transport temperature [C]            | -25 to +60/1000h            |
| Maximum operating altitude [m]                           | 2000                        |
| Maximum humidity, non-condensing [%rh]                   | 90                          |
| Cooling  | Convection                  |
| Cabinet Type   | A51                         |
| Certifications   | CE                          |
| Cloud connection   | Yes                         |
| User interface   | LED/Display                 |
| Charging Curve Set                                       | Multiple Lead               |
| I/O-cards  | Basic option are integrated |
| Reporting  | Yes                         |
| Radio communication                                      | Yes                         |

## CHARGER DIMENSIONS

|                          |             |
|--------------------------|-------------|
| Weight excl. cables [kg] | 6.1         |
| Charger dimensions [mm]  | 455x220x103 |

## SHIPPING DIMENSIONS

|                      |             |
|----------------------|-------------|
| Box dimensions [mm]  | 165x265x595 |
| Shipping Weight [kg] | 9.2         |

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