MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

# TECHNICAL DATA

# MICROPOWER SX23 PB 24V/80A UL BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|---|---|
| Family | SX23 |
| DC Rating | 24V/80A |
| Part number | WN2380-A3 |
| Model code | 3AGD812 |
| 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] | 11.5 |
| Current at min rated voltage [A] | 15.0 |
| Current at max rated voltage [A] | 11.0 |
| Recommended supply fuse class | C |
| Recommended RCCB class | A |
| Mains Cable Area [mm2] | 3xAWG14 |
| Mains Cable Length [m] | 2.0 |
| Mains Connector | Fixed NEMA 6-20P |
| Standby Power Consumption [W] | <5 |
| Power Consumption [W] | 2581,098901 |
| Apparent Power Consumption [VA] | 2633,774389 |
| 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] | 24 |
| Output Current [A] | 80 |
| Battery Cable [mm2] | AWG2 |
| Battery Cable Length [m] | 3 |
| Battery Cable Connection (in charger) | M6 |
| Battery Connector (not included) | DIN80 |
| Output fuse, rating [A/VDC] | 160A/150VDC |
| Output fuse type | Fast Semiconductor fuse |

## PROPERTIES

| | |
|---|---|
| IP Protection | IP21 |
| Operation Temperature [deg C] | -5 to +40 |
| Ambient Max Temperature (with reduced capacity) [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 | Fan |
| Cabinet Type | A51 |
| Certifications | UL |
| Cloud connection | Yes |
| User interface | LED/Display |
| Charging Curve Set | Multiple Lead |
| I/O-cards | Basic option are integrated |
| Bluetooth/ NFC connectivity | Yes |
| Remote connectivity & advanced software functions | Yes |

## CHARGER DIMENSIONS

| | |
|---|---|
| Charger Weight excl. Cables [kg] | 6 |
| Charger dimensions [mm] | 455x220x103 |

## SHIPPING DIMENSIONS

| | |
|---|---|
| Box dimensions [mm] | 165x265x595 |
| Shipping Weight [kg] | 9.4 |

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

Micropower Group
Gullhallavägen 20
SE-352 50 Växjö
Sweden

Phone: +46 (0) 470-72 74 00
sales@micropower.se
www.micropower-group.se

Printout date: 2026-11-10