MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

# TECHNICAL DATA

# MICROPOWER ST120 PB 96V/100A UL BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|---|---|
| Family | ST120 |
| DC Rating | 96V/100A |
| Part number | AV9426-B3 |
| Model code | 1AA80N7 |
| Part status | Released |

## SUPPLY

| | |
|---|---|
| Mains Phase | 3 |
| Input Voltage [V] | 480 |
| Nominal Voltage [V] | 480 |
| Rated frequency [Hz] | 50-60 |
| Max Mains Current (at nominal mains V) [A] | 15.4 |
| Current at min rated voltage [A] | - |
| Current at max rated voltage [A] | - |
| Recommended supply fuse class | C |
| Recommended RCCB class | B |
| Mains Cable Area [mm2] | 4xAWG10 |
| Mains Cable Length [m] | □2.5 |
| Mains Connector | L16-20P |
| Standby Power Consumption [W] | <5 |
| Power Consumption [W] | 12110 |
| Apparent Power Consumption [VA] | 12747 |
| Power Factor | 0.95 |
| Leakage current [mA] | <3.5 |
| Efficiency (at rated power and no cables) [%] | 96 |

## OUTPUT DATA

| | |
|---|---|
| Reversed polarity protection | Fuse |
| Short Circuit Protection | Yes |
| Output Voltage [V] | 96 |
| Output Current [A] | 100 |
| Battery Cable [mm2] | #2 AWG |
| Battery Cable Length [m] | 3 |
| Battery Cable Connection (in charger) | M8 |
| Battery Connector (not included) | DIN160 |
| Output fuse, rating [A/VDC] | 150A/150VDC |
| Output fuse type | Fast Semiconductor fuse |

## PROPERTIES

| | |
|---|---|
| IP Protection | IP20 |
| 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 | A19 |
| Certifications | UL |
| Cloud connection | Yes |
| User interface | LED/Display |
| Charging Curve Set | Multiple Lead |
| I/O-cards | Optional |
| Bluetooth/ NFC connectivity | Yes |
| Remote connectivity & advanced software functions | Yes |

## CHARGER DIMENSIONS

| | |
|---|---|
| Charger Weight excl. Cables [kg] | 18 |
| Charger dimensions [mm] | 571x270x258 |

## SHIPPING DIMENSIONS

| | |
|---|---|
| Box dimensions [mm] | 425x380x690 |
| Shipping Weight [kg] | 25 |

*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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