

TECHNICAL DATA

SHARP 30 24V/100A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|-------------|----------|
| Family | Sharp 30 |
| DC Rating | 24V/100A |
| Part number | SC2420 |
| Model code | 3A94001 |
| 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] | 13,9 |
| Current at min rated voltage [A] | 14,6 |
| Current at max rated voltage [A] | 13,4 |
| Recommended supply fuse class | C |
| Recommended RCCB class | A |
| Supply cable area | 3x1,5 mm ² |
| Supply cable length [m] | 2,5 |
| Typical Supply Connector | CEE17 |
| Standby Power Consumption [W] | <5 |
| Power Consumption [W] | 3172 |
| Apparent Power Consumption [VA] | 3204 |
| Power Factor | 0,99 |
| Leakage current [mA] | <3,5 |
| Efficiency (at rated power and no cables) [%] | 93 |

OUTPUT DATA

| | |
|----------------------------------|--|
| Reversed polarity protection | Fuse |
| Short Circuit Protection | Yes |
| Output Voltage [V] | 24 |
| Output Current [A] | 100 |
| Output cable cross-section | 25 mm ² |
| Output cable length [m] | 3 |
| Output cable terminals (in unit) | M6 |
| Typical Output connector | DIN160 |
| Output fuse, rating [A/VDC] | 150A/150VDC |
| Output fuse type | Inline external, Fast Semiconductor fuse |

PROPERTIES

| | |
|--|----------------------|
| Ingress protection | IP54 (IP66 optional) |
| 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 | S12 |
| Certifications | CE |
| Cloud connection | No |
| User interface | LED |
| Charging Curve Set | 10-04,06,18 & 20-09 |
| I/O-cards | No |
| Reporting | No |
| Radio communication | No |

CHARGER DIMENSIONS

| | |
|--------------------------|------------|
| Weight excl. cables [kg] | 7 |
| Charger dimensions [mm] | 408x235x78 |

SHIPPING DIMENSIONS

| | |
|----------------------|-------------|
| Box dimensions [mm] | 165x265x600 |
| Shipping Weight [kg] | 11 |

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