

## TECHNICAL DATA

# MICROPOWER SC32 PB 24V/100A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |           |
|-------------|-----------|
| Family      | SC32      |
| DC Rating   | 24V/100A  |
| Part number | VR2420-A1 |
| Model code  | 3AFD810   |
| 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]                | 14.3                  |
| Current at min rated voltage [A]              | 15.0                  |
| Current at max rated voltage [A]              | 13.7                  |
| 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/CEE17           |
| Standby Power Consumption [W]                 | <5                    |
| Power Consumption [W]                         | 3219,78022            |
| Apparent Power Consumption [VA]               | 3285,49002            |
| 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]               | 100                     |
| Output cable cross-section       | 35 mm <sup>2</sup>      |
| Output cable length [m]          | 3                       |
| Output cable terminals (in unit) | M6                      |
| Typical Output connector         | DIN160                  |
| Output fuse, rating [A/VDC]      | 160A/150VDC             |
| Output fuse type                 | Fast Semiconductor fuse |

## PROPERTIES

|                                                      |                             |
|------------------------------------------------------|-----------------------------|
| Ingress protection                                   | IP20                        |
| Operation Temperature [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 [%]                 | 90                          |
| Cooling                                              | Convection                  |
| Cabinet Type                                         | A51                         |
| Certifications                                       | CE                          |
| Cloud connection                                     | No                          |
| User interface                                       | LED                         |
| Charging Curve Set                                   | 10-04,06,18 & 20-09         |
| I/O-cards                                            | Basic option are integrated |
| Reporting                                            | No                          |
| Radio communication                                  | No                          |

## CHARGER DIMENSIONS

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

# SHIPPING DIMENSIONS

|                      |             |
|----------------------|-------------|
| Box dimensions [mm]  | 165x265x595 |
| Shipping Weight [kg] | 10.2        |

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