

## TECHNICAL DATA

# RC10 BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |           |
|-------------|-----------|
| Family      | RC10      |
| DC Rating   | 48V/18A   |
| Part number | RD4221-C2 |
| Model code  | 2A1F930   |
| Part status | Released  |

### SUPPLY

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Number of phases                              | 1                        |
| Rated Voltage range [V]                       | 100-240                  |
| Nominal Voltage [V]                           | 120/230                  |
| Rated frequency [Hz]                          | 50-60                    |
| Current at nominal voltage [A]                | 7,0/4,8                  |
| Current at min rated voltage [A]              | 8,4                      |
| Current at max rated voltage [A]              | 4,6                      |
| Recommended supply fuse class                 | C                        |
| Recommended RCCB class                        | A                        |
| Supply cable area                             | -                        |
| Supply cable length [m]                       | -                        |
| Typical Supply Connector                      | IEC 60320 Type C16, IP67 |
| Standby Power Consumption [W]                 | <3                       |
| Power Consumption [W]                         | 1083                     |
| Apparent Power Consumption [VA]               | 1105                     |
| Power Factor                                  | 0,98                     |
| Leakage current [mA]                          | <1                       |
| Efficiency (at rated power and no cables) [%] | 96                       |

## OUTPUT DATA

|                                  |                                |
|----------------------------------|--------------------------------|
| Reversed polarity protection     | YES                            |
| Short Circuit Protection         | Yes                            |
| Output Voltage [V]               | 48                             |
| Output Current [A]               | 18                             |
| Output cable cross-section       | -                              |
| Output cable length [m]          | -                              |
| Output cable terminals (in unit) | M6 & M8                        |
| Typical Output connector         | -                              |
| Output fuse, rating [A/VDC]      | 60A/72VDC                      |
| Output fuse type                 | non-replaceable, medium acting |

## PROPERTIES

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| Ingress protection                                   | IP67                    |
| Operation Temperature [deg C]                        | -35 to +40              |
| Ambient max temp (with reduced output power) [deg C] | +70                     |
| Ambient storage and transport temperature [C]        | -40 to +85/1000h        |
| Maximum operating altitude [m]                       | 2000                    |
| Maximum humidity, non-condensing [%]                 | 95                      |
| Cooling                                              | Base Plate / Convection |
| Cabinet Type                                         | R2                      |
| Certifications                                       | CE/UL                   |
| Cloud connection                                     | No                      |
| User interface                                       | LED                     |
| Charging Curve Set                                   | Multiple Lead/Lilon/CAN |
| I/O-cards                                            | No                      |
| Reporting                                            | No                      |
| Radio communication                                  | No                      |

## CHARGER DIMENSIONS

|                          |            |
|--------------------------|------------|
| Weight excl. cables [kg] | 2          |
| Charger dimensions [mm]  | 122x73x278 |

SHIPPING DIMENSIONS

Box dimensions [mm]

-X-X-

Shipping Weight [kg]

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