MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

# TECHNICAL DATA

# RC10 BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|---|---|
| Family | RC10 |
| DC Rating | 48V/18A |
| Part number | RD4221-C1 |
| Model code | 2A1F930 |
| Part status | Released |

## SUPPLY

| | |
|---|---|
| Mains Phase | 1 |
| Input Voltage [V] | 100-240 |
| Nominal Voltage [V] | 120/230 |
| Rated frequency [Hz] | 50-60 |
| Max Mains Current (at nominal mains V) [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 |
| Mains Cable Area [mm2] | - |
| Mains Cable Length [m] | - |
| Mains 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 |
| Battery Cable [mm2] | - |
| Battery Cable Length [m] | - |
| Battery Cable Connection (in charger) | M6 & M8 |
| Battery Connector (not included) | - |
| Output fuse, rating [A/VDC] | 60A/72VDC |
| Output fuse type | non-replaceable, medium acting |

## PROPERTIES

| | |
|---|---|
| IP Protection | IP67 |
| Operation Temperature [deg C] | -35 to +40 |
| Ambient Max Temperature (with reduced capacity) [deg C] | +70 |
| Ambient storage and transport temperature [C] | -40 to +85/1000h |
| Maximum operating altitude [m] | 2000 |
| Maximum humidity, non-condensing [%rh] | 95 |
| Cooling | Base Plate / Convection |
| Cabinet Type | R2 |
| Certifications | CE/UR |
| Cloud connection | No |
| User interface | LED |
| Charging Curve Set | Multiple Lead/Lilon/CAN |
| I/O-cards | No |
| Bluetooth/ NFC connectivity | No |
| Remote connectivity & advanced software functions | No |

## CHARGER DIMENSIONS

| | |
|---|---|
| Charger 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.*

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