

## **TECHNICAL DATA**

## MICROPOWER RC7 BATTERY CHARGERS

| STATED DATA ACCORDING TO MICROPOW | /ER STANDARD             |
|-----------------------------------|--------------------------|
| Part number                       | RD3201                   |
| Model                             | Micropower RC7           |
| Туре                              | 36V/16A                  |
| MAINS DATA (50/60HZ)              |                          |
| Output Voltage [V]                | 36                       |
| Output Current [A]                | 16                       |
| Number of phases                  | 1                        |
| Rated Voltage range [V]           | 100-240                  |
| Current at nominal voltage [A]    | 6,3 / 3,3                |
| Recommended supply fuse [A]       | -                        |
| Supply cable area                 | N/A                      |
| Supply cable length [m]           | N/A                      |
| Typical Supply Connector          | IEC 60320 Type C16, IP67 |
| Output cable cross-section        | N/A                      |
| BATTERY CONNECTION                |                          |
| Output cable cross-section        | N/A                      |
| Output cable terminals (in unit)  | M6 & M8                  |
| Output cable length [m]           | N/A                      |
| Typical Output connector          | Molex MX120G 12pin       |
| Output Voltage [V]                | 36                       |
| ELECTRIC DATA                     |                          |
| Standby Power Consumption [W]     | 3                        |
| Power Consumption [W]             | 750                      |
| Apparent Power Consumption [VA]   | 765                      |

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| Intrash current, do not tripp face of class [A]  Output Ripple  PROPERTIES  Ingress protection   P87  Ambient temperature range (at full output power) [deg C]   35 to -40  Ambient temperature range (at full output power) [deg C]   70  Cooling   Respett cooled / Convection   70  Start Circuit Protection   70  Wrong Palarity Protection   70  Carlina Polarity Protection   70  Editional Type  Carlinations   E7 / ULR  BMM   E80  Certifications   E7 / ULR  BMM   E80  Certifications   Respective range (at full output power) [deg C]   70  Respective   Respective range (at full output power) [deg C]   70  Respective   7 | Power Factor   | 0,97 - 0,98                   |
|--|--|-------------------------------|
| PROPERTIES   PROPERTIES   PPS7   PROPERTIES   PROPERTIES   PPS7   PROPERTIES   PROPE   | Inrush current, do not tripp fuse of class [A]           |                               |
| PROPERTIES  Ingress protection IPF0  | Output Ripple  |                               |
| Ingress protection         IP67           Ambient temperature range (at full output power) [deg C]         -35 to -40           Ambient max temp (with reduced output power) [deg C]         70           Cooling         Baseplate cooled / Convection           Short Circuit Protection         Yes           Wrong Polarity Protection         Yes           Cabinet Type         R2           Certifications         CE/ UL R           HMI         LED           HMI Language         -           Reporting         No           Radio Communication         No           Charging Curve Set         Multiple Lead / Li-lon           L/O-cards         No           CE         Yes           U.         Yes           CHARGING TIMES         Yes           6 Hours capal/5h         Hours capal/5h           CHARGER DIMENSIONS         Lead (cables [kg]           Weight not. cables [kg]         2.2           Weight not. cables [kg]         ***   | Efficiency (at rated power and no cables) [%]            | 96                            |
| Ambient temperature range (at full output power) [deg C] 70  Cooling 8asoplato cooled / Convection  Short Circuit Protection Yes  Wrong Polarity Protection Yes  Cobinet Type R2  Certifications CE / UL-R  HMI Language  Reporting No  Radio Communication No  Charging Curve Set Multiple Lead / Li-lon  LI-O-cards No  CE / UL-R  CHARGING TIMES  6 Hours capabl/5h  8 Hours capabl/5h  CHARGER DIMENSIONS  Weight text. cables [kg] 2.2  Weight inct. cables [kg]  Ansoplato cooled / Convection  70  70  70  70  70  70  70  70  70  7  | PROPERTIES   |                               |
| Ambient max temp (with reduced output power) [deg C]         70           Cooling         Baseplate cooled / Convection           Short Circuit Protection         Yes           Wrong Polarity Protection         Yes           Cartifications         CE / UL-R           HMI         LED           HMI Language         -           Reporting         No           Radio Communication         No           Charging Curve Set         Multiple Lead / Li-lon           UC         Yes           CHARGING TIMES         Yes           6 Hours capaln/5h         Hours capaln/5h           10 Hours capaln/5h         Yes           CHARGER DIMENSIONS         Yeight excl. cables [kg]           Weight texcl. cables [kg]         22           Weight incl. cables [kg]         22   | Ingress protection                                       | IP67                          |
| Cooling         Baseplate cooled / Convection           Short Circuit Protection         Yes           Wrong Polarity Protection         Yes           Cabinat Type         R2           Certifications         CE / UL-R           HMI         LED           HMI Language         -           Reporting         No           Redio Communication         No           Charging Curve Set         Multiple Lead / Li-lon           VO-cards         No           CE         Yes           UL         Yes           CHARGING TIMES         **           6 Hours capaln/5h         **           10 Hours capaln/5h         **           12 Hours capaln/5h         **           CHARGER DIMENSIONS         **           Weight excl. cables [kg]         22           Weight incl. cables [kg]         **  | Ambient temperature range (at full output power) [deg C] | -35 to +40                    |
| Short Circuit Protection         Yes           Wrong Folarity Protection         Yes           Cabinet Type         R2           Certifications         CE/ UL-R           HMI         LED           HMI Language         -           Reporting         No           Radio Communication         No           Charging Curve Set         Multiple Lead / Li-Ion           I/O-cards         No           CE         Yes           UL         Yes           CHARGING TIMES           6 Hours capa.h/5h         Hours capa.h/5h           10 Hours capa.h/5h         Televier capa.h/5h           CHARGER DIMENSIONS         Yes           Weight incl. cables [kg]         22           Weight incl. cables [kg]         22   | Ambient max temp (with reduced output power) [deg C]     | 70                            |
| Wrong Polarity Protection         Yes           Cabinet Type         R2           Certifications         CE / UL R           HMI         LED           HMI Language         -           Reporting         No           Radio Communication         No           Charging Curve Set         Multiple Lead / Li-lon           L/O-cards         No           CE         Yes           UL         Yes           CHARGING TIMES           6 Hours capall/5h         Hours capall/5h           10 Hours capall/5h         The Hours capall/5h           CHARGER DIMENSIONS           Weight incl. cables [kg]         2.2           Weight incl. cables [kg]         2.2  | Cooling  | Baseplate cooled / Convection |
| Cabinet Type         R2           Certifications         CE / UL R           HMI         LED           HMI Language         -           Reporting         No           Radio Communication         No           Charging Curve Set         Multiple Lead / Li-lon           I/O-cards         No           CE         Yes           UL         Yes           CHARGING TIMES           6 Hours capall/5h         S           10 Hours capall/5h         T           12 Hours capall/5h         CHARGER DIMENSIONS           Weight incl. cables [kg]         2.2           Weight incl. cables [kg]         2.2   | Short Circuit Protection                                 | Yes                           |
| Certifications         CE / UL-R           HMI         LED           HMI Language         -           Reporting         No           Radio Communication         No           Charging Curve Set         Multiple Lead / Li-Ion           I/O-cards         No           CE         Yes           UL         Yes           CHARGING TIMES           6 Hours capah/5h         **           10 Hours capah/5h         **           12 Hours capah/5h         **           CHARGER DIMENSIONS           Weight incl. cables [kg]         2.2           Weight incl. cables [kg]         **  | Wrong Polarity Protection                                | Yes                           |
| HMI         LED           HMI Language         -           Reporting         No           Radio Communication         No           Charging Curve Set         Multiple Lead / LI-ton           I/O-cards         No           CE         Yes           UL         Yes           CHARGING TIMES           6 Hours cap.ah/5h         Flours cap.ah/5h           10 Hours cap.ah/5h           CHARGER DIMENSIONS           Weight excl. cables [kg]         22           Weight incl. cables [kg]         22  | Cabinet Type   | R2                            |
| HMI Language   | Certifications   | CE / UL-R                     |
| Reporting Radio Communication No Charging Curve Set Multiple Lead / Li-Ion  I/O-cards No CE Yes  CHARGING TIMES  6 Hours capah/5h 8 Hours capah/5h 10 Hours capah/5h  CHARGER DIMENSIONS  Weight excl. cables [kg]  Weight incl. cables [kg]   | НМІ  | LED                           |
| Radio Communication No Charging Curve Set Multiple Lead / Li-lon 1/O-cards No CE Yes UL Yes  CHARGING TIMES 6 Hours capah/5h 8 Hours capah/5h 10 Hours capah/5h  CHARGER DIMENSIONS Weight excl. cables [kg] No  | HMI Language   | -                             |
| Charging Curve Set Multiple Lead / Li-lon  1/O-cards No  CE Yes  UL Yes  CHARGING TIMES  6 Hours capah/5h  8 Hours capah/5h  10 Hours capah/5h  CHARGE DIMENSIONS  Weight excl. cables [kg] August 1   | Reporting  | No                            |
| I/O-cards       No         CE       Yes         UL       Yes         CHARGING TIMES         6 Hours cap.ah/5h  | Radio Communication                                      | No                            |
| CE       Yes         UL       Yes         CHARGING TIMES         6 Hours cap.ah/5h   | Charging Curve Set                                       | Multiple Lead / Li-lon        |
| UL         Yes           CHARGING TIMES           6 Hours cap.ah/5h  | I/O-cards  | No                            |
| CHARGING TIMES  6 Hours cap.ah/5h  8 Hours cap.ah/5h  10 Hours cap.ah/5h  CHARGER DIMENSIONS  Weight excl. cables [kg]  2.2  Weight incl. cables [kg]  | CE   | Yes                           |
| 6 Hours cap.ah/5h  8 Hours cap.ah/5h  10 Hours cap.ah/5h  CHARGER DIMENSIONS  Weight excl. cables [kg]  2.2  Weight incl. cables [kg]  | UL   | Yes                           |
| 8 Hours cap.ah/5h  10 Hours cap.ah/5h  CHARGER DIMENSIONS  Weight excl. cables [kg]  2.2  Weight incl. cables [kg]   | CHARGING TIMES   |                               |
| 10 Hours cap.ah/5h  12 Hours cap.ah/5h  CHARGER DIMENSIONS  Weight excl. cables [kg]  2.2  Weight incl. cables [kg]  | 6 Hours cap.ah/5h  |                               |
| 12 Hours cap.ah/5h  CHARGER DIMENSIONS  Weight excl. cables [kg]  2.2  Weight incl. cables [kg]  | 8 Hours cap.ah/5h  |                               |
| CHARGER DIMENSIONS  Weight excl. cables [kg] 2.2  Weight incl. cables [kg]   | 10 Hours cap.ah/5h                                       |                               |
| Weight excl. cables [kg]  Weight incl. cables [kg]   | 12 Hours cap.ah/5h                                       |                               |
| Weight incl. cables [kg]   | CHARGER DIMENSIONS                                       |                               |
|  | Weight excl. cables [kg]                                 | 2.2                           |
| Outer Dimensions Height [mm] 277   | Weight incl. cables [kg]                                 |                               |
|  | Outer Dimensions Height [mm]                             | 277                           |

| Outer Dimensions Width [mm] | 122 |
|-----------------------------|-----|
| Outer Dimensions Depth [mm] | 72  |
| Min Spacing Required        |     |
| SHIPPING DIMENSIONS         |     |
| Shipping Weight [kg]        |     |
| Box Height [mm]             |     |
| Box Width [mm]              |     |
| Box Depth [mm]              |     |
| CHARGING                    |     |
| Charging Ionic              |     |
| Charging Standard           |     |
| Charging Gel                |     |
| Charging Li-Ion             |     |
| Charging AGM                |     |
| Moisture Resistance         | Yes |
| Dusty Environment           | Yes |
| Outdoor use                 | No  |
| Cold store                  | Yes |
| Tropical                    | Yes |