MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

# TECHNICAL DATA

# SHARP 20 BATTERY CHARGERS

## STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|---|---|
| Part number | 924224 |
| Model | SHARP 20 |
| Type | 24V/20A |

### MAINS DATA (50/60HZ)

| | |
|---|---|
| Output Voltage [V] | 24 |
| Output Current [A] | 20 |
| Mains Phase | 1 |
| Input Voltage [V] | 220-240 |
| Max Mains Current (at nominal mains V) [A] | 2,9 |
| Recommended Mains Fuse [A] | 10 |
| Mains Cable Area [mm2] | 3x1,5 |
| Mains Cable Length [m] | 2,5 |
| Mains Connector | 10A Schuko |
| Battery Cable [mm2] | 2x6 |

### BATTERY CONNECTION

| | |
|---|---|
| Battery Cable [mm2] | 2x6 |
| Battery Cable Connection (in charger) | Terminal |
| Battery Cable Length [m] | 2 |
| Battery Connector (not included) | User defined |
| Output Voltage [V] | 24 |

### ELECTRIC DATA

| | |
|---|---|
| Standby Power Consumption [W] | <5 |
| Power Consumption [W] | 657 |
| Apparent Power Consumption [VA] | 663 |

| | |
|---|---|
| Power Factor | 0,99 |
| Inrush Current [A] | Negligible |
| Output Ripple | <1 |
| Efficiency (at rated power and no cables) [%] | 89 |

## PROPERTIES

| | |
|---|---|
| IP Protection | IP20 |
| Operation Temperature [deg C] | -5 to +40 |
| Ambient Max Temperature (with reduced capacity) [deg C] | 50 |
| Cooling | Fan |
| Short Circuit Protection | 1 |
| Wrong Polarity Protection | Electronic |
| Cabinet Type | P4 |
| Certifications | |
| HMI | LED |
| HMI Language | - |
| Bluetooth/ NFC connectivity | No |
| Remote connectivity & advanced software functions | No |
| Charging Curve Set | 10-04,06 & 20-09 |
| I/O-cards | No |
| CE | Yes |
| UL | No |

## CHARGING TIMES

| | |
|---|---|
| 6 Hours cap.ah/5h | 102 |
| 8 Hours cap.ah/5h | 153 |
| 10 Hours cap.ah/5h | 209 |
| 12 Hours cap.ah/5h | 266 |

## CHARGER DIMENSIONS

| | |
|---|---|
| Charger Weight excl. Cables [kg] | |
| Charger Weight incl. Cables [kg] | |
| Outer Dimensions Height [mm] | 243 |

| | |
|---|---|
| Outer Dimensions Width [mm] | 112 |
| Outer Dimensions Depth [mm] | 74 |
| Min Spacing Required | 150 |

## SHIPPING DIMENSIONS

| | |
|---|---|
| Shipping Weight [kg] | 2 |
| Box Height [mm] | 310 |
| Box Width [mm] | 200 |
| Box Depth [mm] | 140 |

## CHARGING

| | |
|---|---|
| Charging Ionic | LK10-04 Chemical Acid Circulation (Ionic) |
| Charging Standard | LK10-06 Standard Curve |
| Charging Gel | LK20-09 |
| Charging Li-Ion | 0 |
| Charging AGM | LK20-09 |
| Moisture Resistance | No |
| Dusty Environment | No |
| Outdoor use | No |
| Cold store | No |
| Tropical | No |

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

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