

## TECHNICAL DATA

# SHARP 100 BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |           |
|-------------|-----------|
| Part number | SS999996  |
| Model       | SHARP 100 |
| Type        | 48V/165A  |

### MAINS DATA (50/60HZ)

|                                |              |
|--------------------------------|--------------|
| Output Voltage [V]             | 48           |
| Output Current [A]             | 165          |
| Number of phases               | 3            |
| Rated Voltage range [V]        | 480-480      |
| Current at nominal voltage [A] | 13,1         |
| Recommended supply fuse [A]    | 16           |
| Supply cable area              | 4xAWG14      |
| Supply cable length [m]        | 3            |
| Typical Supply Connector       | Not included |
| Output cable cross-section     | 2xAWG1/0     |

### BATTERY CONNECTION

|                                  |              |
|----------------------------------|--------------|
| Output cable cross-section       | 2xAWG1/0     |
| Output cable terminals (in unit) | M8           |
| Output cable length [m]          | 3            |
| Typical Output connector         | User defined |
| Output Voltage [V]               | 48           |

### ELECTRIC DATA

|                                 |       |
|---------------------------------|-------|
| Standby Power Consumption [W]   | <10   |
| Power Consumption [W]           | 10336 |
| Apparent Power Consumption [VA] | 10880 |

|                                                |            |
|------------------------------------------------|------------|
| Power Factor                                   | 0,95       |
| Inrush current, do not tripp fuse of class [A] | Negligible |
| Output Ripple                                  | <1         |
| Efficiency (at rated power and no cables) [%]  | 93         |

## PROPERTIES

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Ingress protection                                   | IP20                |
| Operation Temperature [deg C]                        | -5 to +40           |
| Ambient max temp (with reduced output power) [deg C] | 50                  |
| Cooling                                              | Fan                 |
| Short Circuit Protection                             | 1                   |
| Wrong Polarity Protection                            | Fuse                |
| Cabinet Type                                         | S19                 |
| Certifications                                       |                     |
| HMI                                                  | LED                 |
| HMI Language                                         | -                   |
| Reporting                                            | No                  |
| Radio Communication                                  | No                  |
| Charging Curve Set                                   | 10-04,06,18 & 20-09 |
| I/O-cards                                            | No                  |
| CE                                                   | No                  |
| UL                                                   | Yes                 |

## CHARGING TIMES

|                    |      |
|--------------------|------|
| 6 Hours cap.ah/5h  | 947  |
| 8 Hours cap.ah/5h  | 1213 |
| 10 Hours cap.ah/5h | 1834 |
| 12 Hours cap.ah/5h | 1943 |

## CHARGER DIMENSIONS

|                              |     |
|------------------------------|-----|
| Weight excl. cables [kg]     |     |
| Weight incl. cables [kg]     |     |
| Outer Dimensions Height [mm] | 571 |

|                             |     |
|-----------------------------|-----|
| Outer Dimensions Width [mm] | 270 |
| Outer Dimensions Depth [mm] | 258 |
| Min Spacing Required        | 300 |

## SHIPPING DIMENSIONS

|                      |     |
|----------------------|-----|
| Shipping Weight [kg] | 25  |
| Box Height [mm]      | 440 |
| Box Width [mm]       | 370 |
| Box Depth [mm]       | 560 |

## CHARGING

|                     |                        |
|---------------------|------------------------|
| Charging Ionic      | LK10-18 Ionic mixture  |
| 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.*