

## TECHNICAL DATA

# SHARP 30 BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |          |
|-------------|----------|
| Part number | SG2420   |
| Model       | Sharp 30 |
| Type        | 24V/100A |

#### MAINS DATA (50/60HZ)

|                                |            |
|--------------------------------|------------|
| Output Voltage [V]             | 24         |
| Output Current [A]             | 100        |
| Number of phases               | 1          |
| Rated Voltage range [V]        | 220-240    |
| Current at nominal voltage [A] | 13,9       |
| Recommended supply fuse [A]    | 16         |
| Supply cable area              | 3x1,5      |
| Supply cable length [m]        | 2,5        |
| Typical Supply Connector       | 16A Schuko |
| Output cable cross-section     | 2x25       |

#### BATTERY CONNECTION

|                                  |              |
|----------------------------------|--------------|
| Output cable cross-section       | 2x25         |
| Output cable terminals (in unit) | -            |
| Output cable length [m]          | 3            |
| Typical Output connector         | User defined |
| Output Voltage [V]               | 24           |

#### ELECTRIC DATA

|                                 |      |
|---------------------------------|------|
| Standby Power Consumption [W]   | <5   |
| Power Consumption [W]           | 3151 |
| Apparent Power Consumption [VA] | 3182 |

|  |      |
|--|------|
| Power Factor                                   | 0,99 |
| Inrush current, do not tripp fuse of class [A] | <30  |
| Output Ripple                                  | <1   |
| Efficiency (at rated power and no cables) [%]  | 93   |

## PROPERTIES

|  |                             |
|--|-----------------------------|
| Ingress protection                                       | IP54 (IP66 optional)        |
| Ambient temperature range (at full output power) [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   | S12                         |
| Certifications   |                             |
| HMI  | LED                         |
| HMI Language   | -                           |
| Reporting  | No                          |
| Radio Communication                                      | No                          |
| Charging Curve Set                                       | 10-05,06,18 & 20-09 & 23-03 |
| I/O-cards  | No                          |
| CE   | Yes                         |
| UL   | No                          |

## CHARGING TIMES

|                    |      |
|--------------------|------|
| 6 Hours cap.ah/5h  | 574  |
| 8 Hours cap.ah/5h  | 833  |
| 10 Hours cap.ah/5h | 1112 |
| 12 Hours cap.ah/5h | 1375 |

## CHARGER DIMENSIONS

|                              |     |
|------------------------------|-----|
| Weight excl. cables [kg]     |     |
| Weight incl. cables [kg]     |     |
| Outer Dimensions Height [mm] | 407 |

|                             |     |
|-----------------------------|-----|
| Outer Dimensions Width [mm] | 235 |
| Outer Dimensions Depth [mm] | 78  |
| Min Spacing Required        | 100 |

## SHIPPING DIMENSIONS

|                      |     |
|----------------------|-----|
| Shipping Weight [kg] | 9   |
| Box Height [mm]      | 600 |
| Box Width [mm]       | 265 |
| Box Depth [mm]       | 165 |

## 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 E.D. Marketing AB.*