

## TECHNICAL DATA

# SHARP 50 36V/80A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |          |
|-------------|----------|
| Part number | SP3389   |
| Model       | SHARP 50 |
| Type        | 36V/80A  |

### MAINS DATA (50/60HZ)

|                                |                       |
|--------------------------------|-----------------------|
| Output Voltage [V]             | 36                    |
| Output Current [A]             | 80                    |
| Number of phases               | 3                     |
| Rated Voltage range [V]        | 380-440               |
| Current at nominal voltage [A] | 5,8                   |
| Recommended supply fuse [A]    | 10                    |
| Supply cable area              | 4x1,5 mm <sup>2</sup> |
| Supply cable length [m]        | 72,5                  |
| Typical Supply Connector       | CEE16                 |
| Output cable cross-section     | 25 mm <sup>2</sup>    |

### BATTERY CONNECTION

|                                  |                    |
|----------------------------------|--------------------|
| Output cable cross-section       | 25 mm <sup>2</sup> |
| Output cable terminals (in unit) | M6                 |
| Output cable length [m]          | 3                  |
| Typical Output connector         | DIN80              |
| Output Voltage [V]               | 36                 |

### ELECTRIC DATA

|                                 |      |
|---------------------------------|------|
| Standby Power Consumption [W]   | <5   |
| Power Consumption [W]           | 3805 |
| Apparent Power Consumption [VA] | 4005 |

|                                                |      |
|------------------------------------------------|------|
| Power Factor                                   | 0,95 |
| Inrush current, do not tripp fuse of class [A] | B    |
| Output Ripple                                  | <5   |
| Efficiency (at rated power and no cables) [%]  | 92   |

## PROPERTIES

|                                                          |                     |
|----------------------------------------------------------|---------------------|
| Ingress protection                                       | IP20                |
| Ambient temperature range (at full output power) [deg C] | -5 to +40           |
| Ambient max temp (with reduced output power) [deg C]     | 50                  |
| Cooling                                                  | Convection          |
| Short Circuit Protection                                 | Yes                 |
| Wrong Polarity Protection                                | Fuse                |
| Cabinet Type                                             | S16                 |
| Certifications                                           | CE                  |
| HMI                                                      | LED                 |
| HMI Language                                             | -                   |
| Reporting                                                | No                  |
| Radio Communication                                      | No                  |
| Charging Curve Set                                       | 10-04,06,18 & 20-09 |
| I/O-cards                                                | No                  |
| CE                                                       | Yes                 |
| UL                                                       | No                  |

## CHARGING TIMES

|                    |      |
|--------------------|------|
| 6 Hours cap.ah/5h  | 459  |
| 8 Hours cap.ah/5h  | 665  |
| 10 Hours cap.ah/5h | 887  |
| 12 Hours cap.ah/5h | 1220 |

## CHARGER DIMENSIONS

|                              |     |
|------------------------------|-----|
| Weight excl. cables [kg]     | 6   |
| Weight incl. cables [kg]     | 9   |
| Outer Dimensions Height [mm] | 387 |

|                             |                 |
|-----------------------------|-----------------|
| Outer Dimensions Width [mm] | 266             |
| Outer Dimensions Depth [mm] | 152             |
| Min Spacing Required        | See User Manual |

## SHIPPING DIMENSIONS

|                      |     |
|----------------------|-----|
| Shipping Weight [kg] | 10  |
| Box Height [mm]      | 260 |
| Box Width [mm]       | 330 |
| Box Depth [mm]       | 550 |

## 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                     |

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