

## TECHNICAL DATA

# MICROPOWER ST80 LI 90V/80A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

|             |             |
|-------------|-------------|
| Part number | LN6389-3073 |
| Model       | ST80        |
| Type        | 90V/80A     |

### MAINS DATA (50/60HZ)

|                                |                       |
|--------------------------------|-----------------------|
| Output Voltage [V]             | 80                    |
| Output Current [A]             | 80                    |
| Number of phases               | 3                     |
| Rated Voltage range [V]        | 380-440               |
| Current at nominal voltage [A] | 12.3                  |
| Recommended supply fuse [A]    | 16                    |
| Supply cable area              | 4x1.5 mm <sup>2</sup> |
| Supply cable length [m]        | 12.5                  |
| Typical Supply Connector       | CEE16                 |
| Output cable cross-section     | 35 mm <sup>2</sup>    |

### BATTERY CONNECTION

|                                  |                    |
|----------------------------------|--------------------|
| Output cable cross-section       | 35 mm <sup>2</sup> |
| Output cable terminals (in unit) | M6                 |
| Output cable length [m]          | 3                  |
| Typical Output connector         | Cobra              |
| Output Voltage [V]               | 80                 |

### ELECTRIC DATA

|                                 |      |
|---------------------------------|------|
| Standby Power Consumption [W]   | <2.5 |
| Power Consumption [W]           | 8063 |
| Apparent Power Consumption [VA] | 8515 |

|                                                |      |
|------------------------------------------------|------|
| Power Factor                                   | 0.95 |
| Inrush current, do not tripp fuse of class [A] | B    |
| Output Ripple                                  | <5   |
| Efficiency (at rated power and no cables) [%]  | 96   |

## PROPERTIES

|                                                      |            |
|------------------------------------------------------|------------|
| Ingress protection                                   | IP21       |
| Operation Temperature [deg C]                        | -5 to +40  |
| Ambient max temp (with reduced output power) [deg C] | 50         |
| Cooling                                              | Convection |
| Short Circuit Protection                             | Yes        |
| Wrong Polarity Protection                            |            |
| Cabinet Type                                         | A24        |
| Certifications                                       | CE         |
| HMI                                                  |            |
| HMI Language                                         |            |
| Reporting                                            | No         |
| Radio Communication                                  | No         |
| Charging Curve Set                                   |            |
| I/O-cards                                            |            |
| CE                                                   | Yes        |
| UL                                                   | No         |

## CHARGING TIMES

|                    |
|--------------------|
| 6 Hours cap.ah/5h  |
| 8 Hours cap.ah/5h  |
| 10 Hours cap.ah/5h |
| 12 Hours cap.ah/5h |

## CHARGER DIMENSIONS

|                              |     |
|------------------------------|-----|
| Weight excl. cables [kg]     | 8.5 |
| Weight incl. cables [kg]     | 11  |
| Outer Dimensions Height [mm] | 338 |

|                             |                 |
|-----------------------------|-----------------|
| Outer Dimensions Width [mm] | 335             |
| Outer Dimensions Depth [mm] | 239             |
| Min Spacing Required        | See User Manual |

## SHIPPING DIMENSIONS

|                      |     |
|----------------------|-----|
| Shipping Weight [kg] | 13  |
| Box Height [mm]      | 350 |
| Box Width [mm]       | 380 |
| Box Depth [mm]       | 530 |

## CHARGING

|                     |    |
|---------------------|----|
| Charging Ionic      |    |
| Charging Standard   |    |
| Charging Gel        |    |
| Charging Li-Ion     |    |
| Charging AGM        |    |
| Moisture Resistance | No |
| Dusty Environment   | No |
| Outdoor use         | No |
| Cold store          | No |
| Tropical            | No |

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