

TECHNICAL DATA

SHARP 100 48V/100A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

| | |
|-------------|-----------|
| Part number | SR4421 |
| Model | SHARP 100 |
| Type | 48V/100A |

MAINS DATA (50/60HZ)

| | |
|--------------------------------|-----------------------|
| Output Voltage [V] | 48 |
| Output Current [A] | 100 |
| Number of phases | 3 |
| Rated Voltage range [V] | 380-415 |
| Current at nominal voltage [A] | 9.5 |
| Recommended supply fuse [A] | 10 |
| Supply cable area | 4x1,5 mm ² |
| Supply cable length [m] | 3 |
| Typical Supply Connector | CEE16 |
| Output cable cross-section | 35 mm ² |

BATTERY CONNECTION

| | |
|----------------------------------|--------------------|
| Output cable cross-section | 35 mm ² |
| Output cable terminals (in unit) | M8 |
| Output cable length [m] | 3 |
| Typical Output connector | DIN160 |
| Output Voltage [V] | 48 |

ELECTRIC DATA

| | |
|---------------------------------|------|
| Standby Power Consumption [W] | <10 |
| Power Consumption [W] | 6247 |
| Apparent Power Consumption [VA] | 6576 |

| | |
|--|------|
| Power Factor | 0.95 |
| Inrush current, do not tripp fuse of class [A] | B |
| Output Ripple | <5 |
| Efficiency (at rated power and no cables) [%] | 93 |

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 | |
| Cabinet Type | S17 |
| 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] | 14 |
| Weight incl. cables [kg] | 17 |
| Outer Dimensions Height [mm] | 417 |

| | |
|-----------------------------|----------------|
| Outer Dimensions Width [mm] | 256 |
| Outer Dimensions Depth [mm] | 243 |
| Min Spacing Required | Se User Manual |

SHIPPING DIMENSIONS

| | |
|----------------------|-----|
| Shipping Weight [kg] | 20 |
| Box Height [mm] | 465 |
| Box Width [mm] | 365 |
| Box Depth [mm] | 525 |

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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