

## TECHNICAL DATA

# SHARP 100 48V/100A BATTERY CHARGERS

### STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	SS4423
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]	208-240
Current at nominal voltage [A]	18.5
Recommended supply fuse [A]	20
Supply cable area	4x4 mm <sup>2</sup>
Supply cable length [m]	3
Typical Supply Connector	CEE32
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)	M8
Output cable length [m]	3
Typical Output connector	DIN160
Output Voltage [V]	48

#### ELECTRIC DATA

Standby Power Consumption [W]	<10
Power Consumption [W]	6315
Apparent Power Consumption [VA]	6648

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	S18
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	574
8 Hours cap.ah/5h	833
10 Hours cap.ah/5h	1112
12 Hours cap.ah/5h	1334

## CHARGER DIMENSIONS

Weight excl. cables [kg]	16
Weight incl. cables [kg]	19
Outer Dimensions Height [mm]	529

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

## SHIPPING DIMENSIONS

Shipping Weight [kg]	22
Box Height [mm]	650
Box Width [mm]	370
Box Depth [mm]	440

## 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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