

TECHNICAL DATA

SHARP 20 BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	924224
Model	SHARP 20
Type	24V/20A

MAINS DATA (50/60HZ)

Output Voltage [V]	24
Output Current [A]	20
Number of phases	1
Rated Voltage range [V]	220-240
Current at nominal voltage [A]	2,9
Recommended supply fuse [A]	10
Supply cable area	3x1,5
Supply cable length [m]	2,5
Typical Supply Connector	10A Schuko
Output cable cross-section	2x6

BATTERY CONNECTION

Output cable cross-section	2x6
Output cable terminals (in unit)	Terminal
Output cable length [m]	2
Typical Output connector	User defined
Output Voltage [V]	24

ELECTRIC DATA

Standby Power Consumption [W]	<5
Power Consumption [W]	657
Apparent Power Consumption [VA]	663

Power Factor	0,99
Inrush current, do not tripp fuse of class [A]	Negligible
Output Ripple	<1
Efficiency (at rated power and no cables) [%]	89

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: 1=Fan, 2= Convection	Fan
Short Circuit Protection	Yes
Wrong Polarity Protection	Electronic
Cabinet Type	P4
Certifications	
HMI	LED
HMI Language	-
Reporting	No
Radio Communication	No
Charging Curve Set	10-04,06 & 20-09
I/O-cards	No
CE	Yes
UL	No

CHARGING TIMES

6 Hours cap.ah/5h	102
8 Hours cap.ah/5h	153
10 Hours cap.ah/5h	209
12 Hours cap.ah/5h	266

CHARGER DIMENSIONS

Weight excl. cables [kg]	
Weight incl. cables [kg]	
Outer Dimensions Height [mm]	243

Outer Dimensions Width [mm]	112
Outer Dimensions Depth [mm]	74
Min Spacing Required	150

SHIPPING DIMENSIONS

Shipping Weight [kg]	2
Box Height [mm]	310
Box Width [mm]	200
Box Depth [mm]	140

CHARGING

Charging Ionic	LK10-04 Chemical Acid Circulation (Ionic)
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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