MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

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
Operation Temperature [deg C]	-5 to +40
Ambient max temp (with reduced output power) [deg C]	50
Cooling	Fan
Short Circuit Protection	1
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

The information in this document is subject to change without notice and should not be construed as a commitment by Micropower Group AB.

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