

TECHNICAL DATA

SHARP 20 BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	924231
Model	SHARP 20
Туре	24V/45A
MAINS DATA (50/60HZ)	
Output Voltage [V]	24
Output Current [A]	45
Number of phases	1
Rated Voltage range [V]	220-240
Current at nominal voltage [A]	6,5
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	2x10
BATTERY CONNECTION	
Output cable cross-section	2x10
Output cable terminals (in unit)	M6
Output cable length [m]	2
Typical Output connector	User defined
Output Voltage [V]	24
ELECTRIC DATA	
Standby Power Consumption [W]	<5
Power Consumption [W]	1488
Apparent Power Consumption [VA]	1503

Interal ournet, do not trigo foce of class [A] Negligble Output Rigop .1 Enteining (at rated power and no cables) [%] .9 PROFERTES .720 Ambient temperature range (at full cupout power) [deg (C] .50 +40 Ambient temperature range (at full cupout power) [deg (C] .50 +40 Colling: 1-frait_> Convection Fan Stort Circuit Protection Ves Wong Pularity Protection Ves Colling: 1-frait_> Convection Pole Mildian taxue provide (C) Ves Vers Pole Control Circuit Protection Ves More Pularity Protection Ves Control Circuit Protection Ves Mildian Language . Attil Language . Reporting Carve Set Ves Colleging Carve Set No Clarking Carve Set Set Clarking Carve Set	Power Factor	0,99
Bigener (af rated power and no cable) [%] 89 PROPERTIES P20 Ingress protection P20 Ambient tempersture range (af full output power) [deg C] 50 Colling: I-Fan, 2- Convection Fan Start Circuit Protection Fan Start Circuit Protection Fes Wrong Polarity Protection Festorale Colling: I-Fan, 2- Convection Festorale Start Circuit Protection Festorale Wrong Polarity Protection Festorale Cablent Type P6 Chronic Protection P6 Robust Type For Source Hull Language - Robust Circuit Protection P0 Robust Circuit Protection	Inrush current, do not tripp fuse of class [A]	Negligible
PROPERTIES Ingress protection P20 Antient temperture range (at full output power) (deg C) 50 Cooling: 1-Fan, 2- Convection Fan Stort Circuit Protection Fan Stort Circuit Protection Ves Cooling: 1-Fan, 2- Convection Electronic Stort Circuit Protection Ves Wrag Polarity Protection Electronic Cabinet Type P6 Cabinet Type Fan Hul ED Hul Canguage - Roperting No Robust Capany Edu Capany Pace Robust Capany Edu Capany No Robust Capany Edu Capany No Robust Capany Edu Capany No Cabinet Type No Cabinet Sopany/Edu Capany No Cabinet Sopany/Edu Capany No Robust capany/Edu Capany Social Capany Robus capany/Ed	Output Ripple	<1
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Ambient temperature range (at full output power) [deg C] Antibient max temp (with reduced output power) [deg C] Cooling: 1-Fan, 2- Convection Cooling: 1-Fan, 2- Convection Short Circuit Protection Control Short Circuit Protection Cooling: 1-Fan, 2- Convection	PROPERTIES	
Ambient max temp (with reduced output power) [deg C] 60 Cooling: I-Fan, 2- Connection Fan Short Circuit Protection Yes Wrong Polarity Protection Electronic Cabins Type Fo Cabins Type Fo Cabins Type Fo Chritections Electronic HMI ED Halangaage - Raporting No Redo Communication No Clorards Io40.06 & 20.09 I/C-cards No Clarards So Clarards So Clarards No	Ingress protection	IP20
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Short Diracit Protection Yes Wrong Polarity Protection Electonic Cabinet Type P6 Cabinet Type P6 Cartifications IE HM Electonic HII Language IE Reporting No Reporting No Radio Communication No IV-corads IO-04,06 & 20-09 IC-corads No IC-corads No IL No Reporting No IL Standard Scope IL No IC-corads No IL No IL No IL No IL No IL Standard Scope	Ambient max temp (with reduced output power) [deg C]	50
Wrag Polarity Protection Electronic Cabinet Type P6 Certifications Europation Entifications LED HMI LED HMI Anguage - Reporting No Reporting No Radio Communication No Charging Curve Set 0:04068 20:09 I/C-carcds No CE Yes DL No CE No CHARGING TIMES Yes F Hours capah/Sh 29 10 Hours capah/Sh 29 11 Hours capah/Sh Sel 12 Hours capah/Sh Sel 13 Hours capah/Sh Sel CHARGER DIMENSIONS Yes	Cooling: 1=Fan, 2= Convection	Fan
Cabinet Type P6 Cortifications E HMI LED HMI Language - Reporting No Radio Communication No Itzling Curve Set 10-04.06 & 20-09 I/C-cards No CE Yes IL No CHARGING TIMES Ves 6 Hours cap.ah/5h 29 10 Hours cap.ah/5h 29 10 Hours cap.ah/5h 345 10 Hours cap.ah/5h 58 CHARGER DIMENSIONS Sea Weight excl. cables [kg] Yes	Short Circuit Protection	Yes
Certifications HM LED HM Language - Reporting No Radio Communication No Charging Curve Set 0-04,06 & 20-09 L/O-cards No CE Ves LQ No CE Ves LQ No Delayse path/Sh No 1 Hours cap.ah/Sh S29 10 Hours cap.ah/Sh 29 10 Hours cap.ah/Sh S10 12 Hours cap.ah/Sh S10 12 Hours cap.ah/Sh S10 12 Hours cap.ah/Sh S10 Vegit exct. cables [kg] S10 Weight exct. cables [kg] S10	Wrong Polarity Protection	Electronic
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CE Yes UL No CHARGING TIMES 6 Hours cap.ah/5h 29 8 Hours cap.ah/5h 345 10 Hours cap.ah/5h 411 12 Hours cap.ah/5h 598 CHARGER DIMENSIONS Veight excl. cables [kg] Yes	Charging Curve Set	10-04,06 & 20-09
UL No CHARGING TIMES 6 Hours cap.ah/5h 29 8 Hours cap.ah/5h 345 10 Hours cap.ah/5h 345 12 Hours cap.ah/5h 58 CHARGER DIMENSIONS Veight excl. cables [kg] Veight excl. cables [kg]	I/O-cards	No
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10 Hours cap.ah/5h 471 12 Hours cap.ah/5h 598 CHARGER DIMENSIONS Weight excl. cables [kg]	6 Hours cap.ah/5h	229
12 Hours cap.ah/5h 598 CHARGER DIMENSIONS Weight excl. cables [kg] Veight incl. cables [kg]	8 Hours cap.ah/5h	345
CHARGER DIMENSIONS Weight excl. cables [kg] Weight incl. cables [kg]	10 Hours cap.ah/5h	471
Weight excl. cables [kg] Weight incl. cables [kg]	12 Hours cap.ah/5h	598
Weight incl. cables [kg]	CHARGER DIMENSIONS	
	Weight excl. cables [kg]	
Outer Dimensions Height [mm] 295	Weight incl. cables [kg]	
	Outer Dimensions Height [mm]	295

Outer Dimensions Width [mm]	138
Outer Dimensions Depth [mm]	89
Min Spacing Required	150
SHIPPING DIMENSIONS	
Shipping Weight [kg]	3
Box Height [mm]	390
Box Width [mm]	250
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

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