

TECHNICAL DATA

SHARP 30 24V/100A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD		
Family	Sharp 30	
DC Rating	24V/100A	
Part number	SC2420	
Model code	3A94001	
Part status	Released	
SUPPLY		
Number of phases	1	
Rated Voltage range [V]	220-240	
Nominal Voltage [V]	230	
Rated frequency [Hz]	50-60	
Current at nominal voltage [A]	13,9	
Current at min rated voltage [A]	14,6	
Current at max rated voltage [A]	13,4	
Recommended supply fuse class	C	
Recommended RCCB class	A	
Supply cable area	3x1,5 mm2	
Supply cable length [m]	2,5	
Typical Supply Connector	CEE17	
Standby Power Consumption [W]	<5	
Power Consumption [W]	3172	
Apparent Power Consumption [VA]	3204	
Power Factor	0,99	
Leakage current [mA]	<3,5	
Efficiency (at rated power and no cables) [%]	93	

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OUTPUT DATA	
Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	24
Output Current [A]	100
Output cable cross-section	25 mm2
Output cable length [m]	3
Output cable terminals (in unit)	M6
Typical Output connector	DIN160
Output fuse, rating [A/VDC]	150A/150VDC
Output fuse type	Inline external, Fast Semiconductor fuse
PROPERTIES	
Ingress protection	IP54 (IP66 optional)
Ambient temperature range (at full output power) [deg C]	-5 to +40
Ambient max temp (with reduced output power) [deg C]	50
Ambient storage and transport temperature [C]	-40 to +80/1000h
Maximum operating altitude [m]	2000
Maximum humidity, non-condensing [%rh]	90
Cooling	Convection
Cabinet Type	S12
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	10-04,06,18 & 20-09
I/O-cards	No
Reporting	No
Radio communication	No
CHARGER DIMENSIONS	
Weight excl. cables [kg]	7
Charger dimensions [mm]	408x235x78

SHIPPING DIMENSIONS

Box dimensions [mm]	165x265x600
Shipping Weight [kg]	11