MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

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

Mains Phase	1
Input Voltage [V]	220-240
Nominal Voltage [V]	230
Rated frequency [Hz]	50-60
Max Mains Current (at nominal mains V) [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
Mains Cable Area [mm2]	3x1,5 mm2
Mains Cable Length [m]	2,5
Mains 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

OUTPUT DATA

Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	24
Output Current [A]	100
Battery Cable [mm2]	25 mm2
Battery Cable Length [m]	3
Battery Cable Connection (in charger)	M6
Battery Connector (not included)	DIN160
Output fuse, rating [A/VDC]	150A/150VDC
Output fuse type	Inline external, Fast Semiconductor fuse

PROPERTIES

IP Protection	IP54 (IP66 optional)
Operation Temperature [deg C]	-5 to +40
Ambient Max Temperature (with reduced capacity) [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	Fan
Cabinet Type	S12
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	10-04,06,18 & 20-09
I/O-cards	No
Bluetooth/ NFC connectivity	No
Remote connectivity & advanced software functions	No

CHARGER DIMENSIONS

Charger Weight excl. Cables [kg]	7
Charger dimensions [mm]	408x235x78

SHIPPING DIMENSIONS

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

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

Micropower Group
Gullhallavägen 20
SE-352 50 Växjö
Sweden

Phone: +46 (0) 470-72 74 00
sales@micropower.se
www.micropower-group.se

Printout date: 2026-11-10