MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER SC23 LI 48V/40A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	SC23-LI-CAN
DC Rating	48V/40A
Part number	VQ4300-A1
Model code	3AFD835
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]	11.4
Current at min rated voltage [A]	12.0
Current at max rated voltage [A]	10.9
Recommended supply fuse class	C
Recommended RCCB class	A
Mains Cable Area [mm2]	3x1.5 mm2
Mains Cable Length [m]	2.3
Mains Connector	Fixed or IEC C19/CEE17
Standby Power Consumption [W]	<5
Power Consumption [W]	2561,758242
Apparent Power Consumption [VA]	2614,039022
Power Factor	0.98
Leakage current [mA]	<3.5
Efficiency (at rated power and no cables) [%]	91

OUTPUT DATA

Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	48
Output Current [A]	40
Battery Cable [mm2]	16 mm2
Battery Cable Length [m]	3
Battery Cable Connection (in charger)	M6
Battery Connector (not included)	DIN80
Output fuse, rating [A/VDC]	100A/150VDC
Output fuse type	Fast Semiconductor fuse

PROPERTIES

IP Protection	IP20
Operation Temperature [deg C]	-5 to +40
Ambient Max Temperature (with reduced capacity) [deg C]	55
Ambient storage and transport temperature [C]	-25 to +60/1000h
Maximum operating altitude [m]	2000
Maximum humidity, non-condensing [%rh]	90
Cooling	Fan
Cabinet Type	A51
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	Litium CAN
I/O-cards	Basic option are integrated
Bluetooth/ NFC connectivity	No
Remote connectivity & advanced software functions	No

CHARGER DIMENSIONS

Charger Weight excl. Cables [kg]	6
Charger dimensions [mm]	455x220x103

SHIPPING DIMENSIONS

Box dimensions [mm]	165x265x595
Shipping Weight [kg]	9.1

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: 2026-11-06