MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER SX23 LI 48V/40A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	SX23
DC Rating	48V/40A
Part number	WQ4300-A1
Model code	3AGD835
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]	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
Supply cable area	3x1.5 mm2
Supply cable length [m]	2.3
Typical Supply 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
Output cable cross-section	16 mm2
Output cable length [m]	3
Output cable terminals (in unit)	M6
Typical Output connector	DIN80
Output fuse, rating [A/VDC]	100A/150VDC
Output fuse type	Fast Semiconductor fuse

PROPERTIES

Ingress protection	IP21
Operation Temperature [deg C]	-5 to +40
Ambient max temp (with reduced output power) [deg C]	55
Ambient storage and transport temperature [C]	-25 to +60/1000h
Maximum operating altitude [m]	2000
Maximum humidity, non-condensing [%]	90
Cooling	Fan
Cabinet Type	A51
Certifications	CE
Cloud connection	Yes
User interface	LED/Display
Charging Curve Set	Litium CAN
I/O-cards	Basic option are integrated
Reporting	Yes
Radio communication	Yes

CHARGER DIMENSIONS

Weight excl. cables [kg]	6.1
Charger dimensions [mm]	455x220x103

SHIPPING DIMENSIONS

Box dimensions [mm]	165x265x595
Shipping Weight [kg]	9.2

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

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