MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER SC13 PB 24V/45A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	SC13
DC Rating	24V/45A
Part number	VD2310-A1
Model code	3AFD110
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]	6.5
Current at min rated voltage [A]	7.0
Current at max rated voltage [A]	6.2
Recommended supply fuse class	C
Recommended RCCB class	A
Mains Cable Area [mm2]	3x1.0 mm2
Mains Cable Length [m]	2.3
Mains Connector	IEC C14/CEE17
Standby Power Consumption [W]	<5
Power Consumption [W]	1462,005495
Apparent Power Consumption [VA]	1491,842341
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]	24
Output Current [A]	45
Battery Cable [mm2]	16 mm2
Battery Cable Length [m]	3
Battery Cable Connection (in charger)	M5
Battery Connector (not included)	DIN80
Output fuse, rating [A/VDC]	50A/32VDC
Output fuse type	

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	A50
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	10-04,06,18 & 20-09
I/O-cards	Basic option are integrated
Bluetooth/ NFC connectivity	No
Remote connectivity & advanced software functions	No

CHARGER DIMENSIONS

Charger Weight excl. Cables [kg]	2.9
Charger dimensions [mm]	333x150x103

SHIPPING DIMENSIONS

Box dimensions [mm]	135x290x390
Shipping Weight [kg]	5.6

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

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