MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER SC6 PB 24V/20A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	SC6
DC Rating	24V/20A
Part number	V42240-A1
Model code	3AFD110
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]	2.9
Current at min rated voltage [A]	3.5
Current at max rated voltage [A]	2.7
Recommended supply fuse class	C
Recommended RCCB class	A
Supply cable area	3x1.0 mm2
Supply cable length [m]	2.3
Typical Supply Connector	IEC C14/CEE17
Standby Power Consumption [W]	<5
Power Consumption [W]	645,2747253
Apparent Power Consumption [VA]	658,4435972
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]	20
Output cable cross-section	16 mm2
Output cable length [m]	3
Output cable terminals (in unit)	M5
Typical Output connector	DIN80
Output fuse, rating [A/VDC]	50A/32VDC
Output fuse type	

PROPERTIES

Ingress protection	IP20
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	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
Reporting	No
Radio communication	No

CHARGER DIMENSIONS

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.

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