

TECHNICAL DATA

SHARP 80 48V/100A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	SHARP 80
DC Rating	48V/100A
Part number	SM4429
Model code	1AB6010
Part status	Released

SUPPLY

Number of phases	3
Rated Voltage range [V]	380-440
Nominal Voltage [V]	400
Rated frequency [Hz]	50-60
Current at nominal voltage [A]	9,5
Current at min rated voltage [A]	10
Current at max rated voltage [A]	8,6
Recommended supply fuse class	C
Recommended RCCB class	B
Supply cable area	4x1,5 mm ²
Supply cable length [m]	2,5
Typical Supply Connector	CEE16
Standby Power Consumption [W]	<5
Power Consumption [W]	6247
Apparent Power Consumption [VA]	6576
Power Factor	0,95
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]	48
Output Current [A]	100
Output cable cross-section	35 mm ²
Output cable length [m]	3
Output cable terminals (in unit)	M6
Typical Output connector	DIN160
Output fuse, rating [A/VDC]	150A/150VDC
Output fuse type	Fast Semiconductor fuse

PROPERTIES

Ingress protection	IP20
Ambient temperature range (at full output power) [deg C]	-5 to +40
Ambient max temp (with reduced output power) [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	Convection
Cabinet Type	S16
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	10-04,06,18 & 20-09
I/O-cards	No
Reporting	No
Radio communication	No

CHARGER DIMENSIONS

Weight excl. cables [kg]	6
Charger dimensions [mm]	387x266x152

SHIPPING DIMENSIONS

Box dimensions [mm]	260x325x550
Shipping Weight [kg]	11

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