MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

SHARP 100 48V/165A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	SHARP 100
DC Rating	48V/165A
Part number	SR4551
Model code	1AB7503
Part status	Released

SUPPLY

Mains Phase	3
Input Voltage [V]	380-415
Nominal Voltage [V]	400
Rated frequency [Hz]	50-60
Max Mains Current (at nominal mains V) [A]	15,7
Current at min rated voltage [A]	16
Current at max rated voltage [A]	15,2
Recommended supply fuse class	C
Recommended RCCB class	B
Mains Cable Area [mm2]	4x2,5 mm2
Mains Cable Length [m]	□2.5
Mains Connector	CEE16
Standby Power Consumption [W]	<10
Power Consumption [W]	10336
Apparent Power Consumption [VA]	10880
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]	165
Battery Cable [mm2]	50 mm2
Battery Cable Length [m]	3
Battery Cable Connection (in charger)	M8
Battery Connector (not included)	DIN320
Output fuse, rating [A/VDC]	200A/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]	50
Ambient storage and transport temperature [C]	-40 to +80/1000h
Maximum operating altitude [m]	2000
Maximum humidity, non-condensing [%rh]	90
Cooling	Fan
Cabinet Type	S17
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	10-04,06,18 & 20-09
I/O-cards	No
Bluetooth/ NFC connectivity	No
Remote connectivity & advanced software functions	No

CHARGER DIMENSIONS

Charger Weight excl. Cables [kg]	14
Charger dimensions [mm]	417x256x243

SHIPPING DIMENSIONS

Box dimensions [mm]	465x365x525
Shipping Weight [kg]	21

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