MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER ST100 LI 48V/165A UL BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	ST100
DC Rating	48V/165A
Part number	LV4556-B3
Model code	1AM80NC
Part status	Released

SUPPLY

Mains Phase	3
Input Voltage [V]	480
Nominal Voltage [V]	480
Rated frequency [Hz]	50-60
Max Mains Current (at nominal mains V) [A]	12.9
Current at min rated voltage [A]	-
Current at max rated voltage [A]	-
Recommended supply fuse class	C
Recommended RCCB class	B
Mains Cable Area [mm2]	4xAWG12
Mains Cable Length [m]	☐2.5
Mains Connector	L16-20P
Standby Power Consumption [W]	<5
Power Consumption [W]	10215
Apparent Power Consumption [VA]	10753
Power Factor	0.95
Leakage current [mA]	<3.5
Efficiency (at rated power and no cables) [%]	95.4

OUTPUT DATA

Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	48
Output Current [A]	165
Battery Cable [mm2]	1/0 AWG
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	A19
Certifications	UL
Cloud connection	Yes
User interface	LED/Display
Charging Curve Set	Litium Alg or CAN
I/O-cards	CAN/Detect
Bluetooth/ NFC connectivity	Yes
Remote connectivity & advanced software functions	Yes

CHARGER DIMENSIONS

Charger Weight excl. Cables [kg]	18
Charger dimensions [mm]	571x270x258

SHIPPING DIMENSIONS

Box dimensions [mm]	425x380x690
Shipping Weight [kg]	26

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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