MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER ST145 PB 48V/250A UL BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	ST145
DC Rating	48V/250A
Part number	AV4716-B3
Model code	1AA80N3
Part status	Released

SUPPLY

Number of phases	3
Rated Voltage range [V]	480
Nominal Voltage [V]	480
Rated frequency [Hz]	50-60
Current at nominal voltage [A]	19.6
Current at min rated voltage [A]	-
Current at max rated voltage [A]	-
Recommended supply fuse class	C
Recommended RCCB class	B
Supply cable area	4xAWG10
Supply cable length [m]	□2.5
Typical Supply Connector	L16-20P
Standby Power Consumption [W]	<5
Power Consumption [W]	15438
Apparent Power Consumption [VA]	16251
Power Factor	0.95
Leakage current [mA]	<3.5
Efficiency (at rated power and no cables) [%]	95.3

OUTPUT DATA

Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	48
Output Current [A]	250
Output cable cross-section	3/0 AWG
Output cable length [m]	3
Output cable terminals (in unit)	M8
Typical Output connector	DIN320
Output fuse, rating [A/VDC]	300A/150VDC
Output fuse type	Fast Semiconductor fuse

PROPERTIES

Ingress protection	IP20
Operation Temperature [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 [%]	90
Cooling	Fan
Cabinet Type	A19
Certifications	UL
Cloud connection	Yes
User interface	LED/Display
Charging Curve Set	Multiple Lead
I/O-cards	Optional
Reporting	Yes
Radio communication	Yes

CHARGER DIMENSIONS

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

SHIPPING DIMENSIONS

Box dimensions [mm]	425x380x690
Shipping Weight [kg]	28

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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