MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER ST90 LI 80V/90A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	ST90
DC Rating	80V/90A
Part number	LN6409
Model code	1AA645E
Part status	Released

SUPPLY

Mains Phase	3
Input Voltage [V]	380-440
Nominal Voltage [V]	400
Rated frequency [Hz]	50-60
Max Mains Current (at nominal mains V) [A]	13,8
Current at min rated voltage [A]	14,6
Current at max rated voltage [A]	12,6
Recommended supply fuse class	C
Recommended RCCB class	B
Mains Cable Area [mm2]	4x1,5 mm2
Mains Cable Length [m]	□2.5
Mains Connector	CEE16
Standby Power Consumption [W]	<2,5
Power Consumption [W]	9061
Apparent Power Consumption [VA]	9568
Power Factor	0,95
Leakage current [mA]	<3,5
Efficiency (at rated power and no cables) [%]	96

OUTPUT DATA

Reversed polarity protection	Fuse
Short Circuit Protection	Yes
Output Voltage [V]	80
Output Current [A]	90
Battery Cable [mm2]	35 mm2
Battery Cable Length [m]	3
Battery Cable Connection (in charger)	M6
Battery Connector (not included)	DIN160
Output fuse, rating [A/VDC]	100A/150VDC
Output fuse type	Fast Semiconductor fuse

PROPERTIES

IP Protection	IP21
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	A24
Certifications	CE
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]	8
Charger dimensions [mm]	338x335x239

SHIPPING DIMENSIONS

Box dimensions [mm]	350x380x530
Shipping Weight [kg]	14

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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