MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER SQ90 PB 80V/90A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Family	SQ90
DC Rating	80V/90A
Part number	SN6409
Model code	1AB645E
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]	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
Supply cable area	4x1,5 mm2
Supply cable length [m]	□2.5
Typical Supply 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
Output cable cross-section	35 mm2
Output cable length [m]	3
Output cable terminals (in unit)	M6
Typical Output connector	DIN160
Output fuse, rating [A/VDC]	100A/150VDC
Output fuse type	Fast Semiconductor fuse

PROPERTIES

Ingress protection	IP21
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	Convection
Cabinet Type	A24
Certifications	CE
Cloud connection	No
User interface	LED
Charging Curve Set	10-04,06,18 & 20-09
I/O-cards	Optional
Reporting	Yes
Radio communication	Yes

CHARGER DIMENSIONS

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.

Micropower Group
Gullhallavägen 20
SE-352 50 Växjö
Sweden

Phone: +46 (0) 470-72 74 00
sales@micropower.se
www.micropower-group.se

Printout date: 2026-10-09