MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER ST 100 PB 90V/90A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	AX7409-3073
Model	ST100
Type	90V/90A
MAINS DATA (50/60HZ)	
Output Voltage [V]	90
Output Current [A]	90
Number of phases	3
Rated Voltage range [V]	380-440
Current at nominal voltage [A]	15.1
Recommended supply fuse [A]	16
Supply cable area	4x2.5 mm2
Supply cable length [m]	□2.5
Typical Supply Connector	CEE16
Output cable cross-section	35 mm2
BATTERY CONNECTION	
Output cable cross-section	35 mm2
Output cable terminals (in unit)	M8
Output cable length [m]	3
Typical Output connector	DIN320
Output Voltage [V]	90
ELECTRIC DATA	
Standby Power Consumption [W]	<5
Power Consumption [W]	9928
Apparent Power Consumption [VA]	10450

Power Factor	0.95
Inrush current, do not tripp fuse of class [A]	B
Output Ripple	<5
Efficiency (at rated power and no cables) [%]	96

PROPERTIES

Ingress protection	IP20
Operation Temperature [deg C]	-5 to +40
Ambient max temp (with reduced output power) [deg C]	50
Cooling	Convection
Short Circuit Protection	Yes
Wrong Polarity Protection	
Cabinet Type	A19
Certifications	CE
HMI	
HMI Language	
Reporting	No
Radio Communication	No
Charging Curve Set	
I/O-cards	
CE	Yes
UL	No

CHARGING TIMES

6 Hours cap.ah/5h	
8 Hours cap.ah/5h	
10 Hours cap.ah/5h	
12 Hours cap.ah/5h	

CHARGER DIMENSIONS

Weight excl. cables [kg]	18
Weight incl. cables [kg]	26.1
Outer Dimensions Height [mm]	571

Outer Dimensions Width [mm]	270
Outer Dimensions Depth [mm]	258
Min Spacing Required	See User Manual

SHIPPING DIMENSIONS

Shipping Weight [kg]	24
Box Height [mm]	425
Box Width [mm]	380
Box Depth [mm]	690

CHARGING

Charging Ionic	
Charging Standard	
Charging Gel	
Charging Li-Ion	
Charging AGM	
Moisture Resistance	No
Dusty Environment	No
Outdoor use	No
Cold store	No
Tropical	No

The information in this document is subject to change without notice and should not be construed as a commitment by Micropower Group AB.

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