MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

TECHNICAL DATA

MICROPOWER ST80 LI 90V/80A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	LN6389-3073
Model	ST80
Type	90V/80A
MAINS DATA (50/60HZ)	
Output Voltage [V]	80
Output Current [A]	80
Mains Phase	3
Input Voltage [V]	380-440
Max Mains Current (at nominal mains V) [A]	12.3
Recommended Mains Fuse [A]	16
Mains Cable Area [mm2]	4x1.5 mm2
Mains Cable Length [m]	□2.5
Mains Connector	CEE16
Battery Cable [mm2]	35 mm2
BATTERY CONNECTION	
Battery Cable [mm2]	35 mm2
Battery Cable Connection (in charger)	M6
Battery Cable Length [m]	3
Battery Connector (not included)	Cobra
Output Voltage [V]	80
ELECTRIC DATA	
Standby Power Consumption [W]	<2.5
Power Consumption [W]	8063
Apparent Power Consumption [VA]	8515

Power Factor	0.95
Inrush Current [A]	B
Output Ripple	<5
Efficiency (at rated power and no cables) [%]	96

PROPERTIES

IP Protection	IP21
Operation Temperature [deg C]	-5 to +40
Ambient Max Temperature (with reduced capacity) [deg C]	50
Cooling	Convection
Short Circuit Protection	Yes
Wrong Polarity Protection	
Cabinet Type	A24
Certifications	CE
HMI	
HMI Language	
Bluetooth/ NFC connectivity	No
Remote connectivity & advanced software functions	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

Charger Weight excl. Cables [kg]	8.5
Charger Weight incl. Cables [kg]	11
Outer Dimensions Height [mm]	338

Outer Dimensions Width [mm]	335
Outer Dimensions Depth [mm]	239
Min Spacing Required	See User Manual

SHIPPING DIMENSIONS

Shipping Weight [kg]	13
Box Height [mm]	350
Box Width [mm]	380
Box Depth [mm]	530

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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