

TECHNICAL DATA

MICROPOWER ST90 PB 80V/90A BATTERY CHARGERS

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Family	Micropower ST90
DC Rating	80V/90A
Part number	AN6409
Model code	1AA645E
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	В
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

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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
Ambient temperature range (at full output power) [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 [%rh]	90
Cooling	Convection
Cabinet Type	A24
Certifications	CE
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]	8

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