

TECHNICAL DATA

MICROPOWER ST50 PB 36V/105A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	AN3436
Model	Micropower ST50
Type	36V/105A

MAINS DATA (50/60HZ)

Output Voltage [V]	36
Output Current [A]	105
Number of phases	3
Rated Voltage range [V]	-
Current at nominal voltage [A]	6.3
Recommended supply fuse [A]	tbd
Supply cable area	4xAWG14
Supply cable length [m]	3
Typical Supply Connector	L16-20P
Output cable cross-section	#2 AWG

BATTERY CONNECTION

Output cable cross-section	#2 AWG
Output cable terminals (in unit)	M6
Output cable length [m]	3
Typical Output connector	DIN160
Output Voltage [V]	36

ELECTRIC DATA

Standby Power Consumption [W]	<5
Power Consumption [W]	4950
Apparent Power Consumption [VA]	5210

Power Factor	0.95
Inrush current, do not tripp fuse of class [A]	B
Output Ripple	<5
Efficiency (at rated power and no cables) [%]	93

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
Cooling	Convection
Short Circuit Protection	Yes
Wrong Polarity Protection	
Cabinet Type	A24
Certifications	UL
HMI	
HMI Language	
Reporting	No
Radio Communication	No
Charging Curve Set	
I/O-cards	
CE	No
UL	Yes

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]	9
Weight incl. cables [kg]	12
Outer Dimensions Height [mm]	338

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

SHIPPING DIMENSIONS

Shipping Weight [kg]	14
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

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