

TECHNICAL DATA

ACCESS 200 BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	MA4786
Model	ACCESS 200
Туре	48V/320A
MAINS DATA (50/60HZ)	
Output Voltage [V]	48
Output Current [A]	320
Number of phases	3
Rated Voltage range [V]	480-480
Current at nominal voltage [A]	25,4
Recommended supply fuse [A]	32
Supply cable area	4xAWG10
Supply cable length [m]	3
Typical Supply Connector	Not included
Output cable cross-section	2xAWG4/0
BATTERY CONNECTION	
Output cable cross-section	2xAWG4/0
Output cable terminals (in unit)	M10
Output cable length [m]	3
Typical Output connector	User defined
Output Voltage [V]	48
ELECTRIC DATA	
Standby Power Consumption [W]	<10
Power Consumption [W]	20040
Apparent Power Consumption [VA]	21094

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Ridency (at rated power and on cables) [%]S3PROPERTIESIngress protectionIP20Ambient temperature range (at full output power) [deg C]S0 = 0CoolingSo = 0CoolingInStart Circuit ProtectionInCharter ProtectionFuseCharter ProtectionFuseCharter ProtectionArgCharter ProtectionSo = 0Charter ProtectionFuseCharter ProtectionFuseCharter ProtectionSo = 0Charter ProtectionSo = 0Charter ProtectionFuseCharter ProtectionSo = 0Charter ProtectionSo = 0 <t< td=""><td>Inrush current, do not tripp fuse of class [A]</td><td>Negligible</td></t<>	Inrush current, do not tripp fuse of class [A]	Negligible
PROPERTIES Ingress protection Ingress Ingress protection Ingress Ingres Ingress Ingress Ingress Ingress Ingres	Output Ripple	<]
Ingress protectionIP20Andient tempersture range (at full output power) [deg C]50 × 40Andient tractom (with reduced output power) [deg C]50CollingFanStort Circuit Protection1Wang Polarity ProtectionFacCalinot TypoAndient markCalinot TypoAndient markCalinot TypoJacCalinot TypoJacCalinot TypoKalinot SpaceMil AnguageSty Pix / ES / PT / DERadio CommunicationNoCalinot TypoNoCalinot TypoNoCalinot TypoNoCalinot TypoNoCalinot TypoNoRadio CommunicationNoCalinot TypoNoCalinot TypoNoCalinot TypoNoCalinot TypoNoCalinot TypoNoCalinot Calinot	Efficiency (at rated power and no cables) [%]	93
Ambient temperature range (at hull output power) [deg C] Annient temp (with reduced output power) [deg C] Cooling Coolin	PROPERTIES	
Anhioint max tomp (with reduced output power) [deg C] 50 Cooling Fin Cooling Fin Short Circuit Protection Iso Wrong Polarity Protection Fis Cabinet Type Jo Experime Iso Partifications Fix HMI Exp / Display Italiangang So / So / Display Reporting So / Display Reporting So / Display Reporting Courses of the scapa/So / Display So / Display Report Point Courses / Display So / Display Report Point Poi	Ingress protection	IP20
CoolingFanCoolingFanShert Grout Protection1Wing Polarity ProtectionFasCabinet TypeA7Catinet GroutEChifficationsEHMED / DisplayMIL InguageSy / EX / EX / FT / DERoportingVS / EX / EX / FT / DERoportingNoCataging Curve SetViaL/G-cardsNoUViaCurve SetNoUViaRestored SetNoRole SetSetChardse Curve SetNoUSetUSetCurve SetSetHaurs capady/ShSet19 Hours capady/ShSet19 Hours capady/ShSetCHARCER DIMENSUONSSetWight excitables [fe]Via	Ambient temperature range (at full output power) [deg C]	-5 to +40
Shet Circuit Protection 1 Wrong Polarity Protection Fuse Cabinet Type A7 Cabinet Type Kalo Chiftications ED / Display HMI Cabinet Type HMI Sy / EN / ES / PT / DE Reporting Ver Not Set / PT / DE Reporting Yes Ratio Communication No Charging Curve Set Ver Set I/C-cards Multiple CE No CL Yes Reporting Yes Reporting No CE No CE No CL Yes Reporting Yes Reporting Yes CE No CL Yes CHARGINE TIMES Yes Stars capah/Sh 188 Rours capah/Sh 2667 CHARGER DIMENSIONS Yes Vegit text: cables [kg] Yes	Ambient max temp (with reduced output power) [deg C]	50
Wrag Polarity Protection Fuse Cabinet Type A7 Certifications EXP / Display HMI EXP / Display HMI Language SV / EN / S / PT / DE Reporting Yes Radio Communication No Charging Curve Set Ves I/C-carcis Multiple CE No CLARGING TIMES Ves Flaurs capah/5h S8 10 Hours capah/5h S9 12 Hours capah/5h S9 CHARGER DIMENSIONS S9 CHARGER Lacales [kg] S9	Cooling	Fan
Cabinet Type A7 Certifications ED/ Display HMI LBD / Display HMI Laguage SV / EN / ES / PT / DE Reporting Vs Radio Communication No Charging Curve Set Ves I/C-cards Multiple CE No U. Ves PARGENGT ILMES Ves Flaurs capah/5h 1839 10 Hours capah/5h 2659 10 Hours capah/5h 2659 12 Hours capah/5h 3559 CHARGER DILMESIONS Ves Weight exci. cables [kg] Ves	Short Circuit Protection	1
Certifications HMI LED / Display HMI Language SV / EN / SS / PT / DE Reporting Ves Radio Communication No Charging Curve Set Ves //C-arxds Multiple CE No CE No U Ves CHARGING TIMES Ves F Haurs capab/Sh Sala 10 Hours capab/Sh Sala 12 Hours capab/Sh Ses 12 Hours capab/Sh Ses 12 Hours capab/Sh Ses 12 Hours capab/Sh Ses Veight excit cables [kg] Veight excit cables [kg]	Wrong Polarity Protection	Fuse
HMI LED / Display HMI Language SV / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set Yes 1/0-cards Multiple CE No UL Yes CHARGING TIMES Yes 6 Hours cap.ah/Sh Saladament 10 Hours cap.ah/Sh Saladament 10 Hours cap.ah/Sh Saladament 2 HARGER DIMENSIONS Saladament Weight excl. cables [kg] Yes	Cabinet Type	Α7
HM Language SV / EN / ES / PT / DE Reporting Yes Radio Communication No Charging Curve Set Yes 1/0-cards Multiple CE No CL No CL Yes CHARGING TIMES Yes F Hours cap.ah/Sh Isa 10 Hours cap.ah/Sh Stor 12 Hours cap.ah/Sh Stor 12 Hours cap.ah/Sh Stor Yes Stor 12 Hours cap.ah/Sh Stor 12 Hours cap.ah/Sh Stor Yes Stor	Certifications	
Reporting Yes Radio Communication No Charging Curve Set Yes //O-cards Multiple CE No CL Yes UL Yes CHARGING TIMES Yes 6 Hours cap.ah/5h 1838 10 Hours cap.ah/5h 1838 10 Hours cap.ah/5h Spinore 12 Hours cap.ah/5h Spinore Yes Spinore Weight eacl. cables [kg] Yes	НМІ	LED / Display
Radio CommunicationNoCharging Curve SetYesI/O-cardsMultipleCENoULYesCHARGING TIMESYes6 Hours cap.ah/5h183810 Hours cap.ah/5h266710 Hours cap.ah/5h3559CHARGER DIMENSIONSYesWeight excl. cables [kg]Yes	HMI Language	SV / EN / ES / PT / DE
Charging Curve Set Yes I/O-cards Multiple I/O-cards No CE No UL Yes CHARGING TIMES Yes 6 Hours cap.ah/5h 1838 10 Hours cap.ah/5h 2667 10 Hours cap.ah/5h 3559 CHARGER DIMENSIONS Yes Wight next. cables [kg] Yes	Reporting	Yes
I/O-cards Multiple CF No UL Yes CHARGING TIMES - 6 Hours cap.ah/5h - 8 Hours cap.ah/5h 1838 10 Hours cap.ah/5h 267 12 Hours cap.ah/5h 359 CHARGER DIMENSIONS - Weight excl. cables [kg] -	Radio Communication	No
CE No UL Yes CHARGING TIMES 6 Hours cap.ah/5h 1838 10 Hours cap.ah/5h 2667 10 Hours cap.ah/5h 3599 12 Hours cap.ah/5h 3599 CHARGER DIMENSIONS Yes Weight excl. cables [kg] Yes	Charging Curve Set	Yes
UL Yes CHARGING TIMES 6 Hours cap.ah/5h 8 Hours cap.ah/5h 1838 10 Hours cap.ah/5h 2667 12 Hours cap.ah/5h 3559 CHARGER DIMENSIONS Weight excl. cables [kg]	I/O-cards	Multiple
CHARGING TIMES6 Hours cap.ah/5h18388 Hours cap.ah/5h266710 Hours cap.ah/5h355912 Hours cap.ah/5h3559CHARGER DIMENSIONSWeight excl. cables [kg]	CE	No
6 Hours cap.ah/5h 8 Hours cap.ah/5h 10 Hours cap.ah/5h 267 12 Hours cap.ah/5h 267 359 CHARGER DIMENSIONS Veight excl. cables [kg] Weight incl. cables [kg]	UL	Yes
8 Hours cap.ah/5h 1838 10 Hours cap.ah/5h 2667 12 Hours cap.ah/5h 3559 CHARGER DIMENSIONS Weight excl. cables [kg] Weight incl. cables [kg]	CHARGING TIMES	
10 Hours cap.ah/5h 2667 12 Hours cap.ah/5h 3559 CHARGER DIMENSIONS Weight excl. cables [kg] Veight incl. cables [kg]	6 Hours cap.ah/5h	
12 Hours cap.ah/5h 3559 CHARGER DIMENSIONS Weight excl. cables [kg]	8 Hours cap.ah/5h	1838
CHARGER DIMENSIONS Weight excl. cables [kg] Weight incl. cables [kg]	10 Hours cap.ah/5h	2667
Weight excl. cables [kg] Weight incl. cables [kg]	12 Hours cap.ah/5h	3559
Weight incl. cables [kg]	CHARGER DIMENSIONS	
	Weight excl. cables [kg]	
Outer Dimensions Height [mm] 659	Weight incl. cables [kg]	
	Outer Dimensions Height [mm]	659

Outer Dimensions Width [mm]	256
Outer Dimensions Depth [mm]	445
Min Spacing Required	300
SHIPPING DIMENSIONS	
Shipping Weight [kg]	46
Box Height [mm]	560
Box Width [mm]	360
Box Depth [mm]	820
CHARGING	
Charging Ionic	LK10-18 Ionic mixture
Charging Standard	LK10-06 Standard Curve
Charging Standard Charging Gel	LK10-06 Standard Curve LK20-09
Charging Gel	LK20-09
Charging Gel Charging Li-Ion	LK20-09 0
Charging Gel Charging Li-Ion Charging AGM	LK20-09 0 LK20-09
Charging Gel Charging Li-Ion Charging AGM Moisture Resistance	LK20-09 0 LK20-09 No
Charging Gel Charging Li-Ion Charging AGM Moisture Resistance Dusty Environment	LK20-09 0 LK20-09 No No

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