

## **TECHNICAL DATA**

## **ACCESS 200 BATTERY CHARGERS**

## STATED DATA ACCORDING TO MICROPOWER STANDARD

Part number	MA4796
Model	ACCESS 200
Туре	48V/330A
MAINS DATA (50/60HZ)	
Output Voltage [V]	48
Output Current [A]	330
Number of phases	3
Rated Voltage range [V]	480-480
Current at nominal voltage [A]	26,2
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]	20673
Apparent Power Consumption [VA]	21761

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Rideney (at rated power and on cables) [%]       93         PROPERTIES       P20         Ingress protection       P20         Ambient temperature range (at full output power) [deg C]       51 e-10         Colling       Fan         Colling       Fan         Start Circuit Protection       Fase         Challent Type       Arg         Challent Type       Arg         Challent Type       Arg         Challent Type       So (Di Display)         Hul Language       So (Di Display)         Hul Language       So (Di Display)         Radio Communication       Na         Charling Charlent Charlen	Inrush current, do not tripp fuse of class [A]	Negligible
PROPERTIES     Ingress protection     Ingreserves     Ingreserves     Ingress protection     Ingress protect	Output Ripple	<]
Ingress protectionIP20Andient tempersture range (at hill odupt power) [deg C]5 to -40Andient tactom (with reduced output power) [deg C]50CollingFaCollingFaStor Circuit Protection1Wang Polarity ProtectionFaceCabine TypeAndient macro (with reduced output power) [deg C]Circuit ProtectionFaceCircuit ProtectionF	Efficiency (at rated power and no cables) [%]	93
Ambient temperature range (at hill output power) [deg C] Anbient trans temp (with reduced output power) [deg C] Cooling	PROPERTIES	
Anhiotent max temp (with reduced output power) [deg C]         50           Cooling         Fin           Cooling         Fin           Short Circuit Protection         Isc           Wrong Polarity Protection         Fis           Cabinet Type         Jo           Editent Type         Jo           Bill         Cooling           HMI         Edit Josephan           Half Language         Sto / Edit Josephan           Reporting         So / Edit Josephan           Reporting         No           Reporting         No <t< td=""><td>Ingress protection</td><td>IP20</td></t<>	Ingress protection	IP20
CoolingFanCoolingFanShet Circuit Protection1Wing Polarity ProtectionFasCabinet TypeA7Catinet StoreIChifficationsED / DisplayHMED / DisplayMillanguageSy / EN / ES / PT / DERoportingVigRotoromunicationNoCharging Curve SetVigU-CardsNoUVigCurrent SetVigE Hurs capah/ShSis19 Hurs capah/ShSis19 Hurs capah/ShSisCHARGER DIMENSUONSVigWight excludies [kg]Vig	Ambient temperature range (at full output power) [deg C]	-5 to +40
Shet Grout Protection       1         Wrong Polarity Protection       Iuse         Cabinet Type       A7         Cabinet Type       Kalon         Chiftications       ED / Display         HMI       Stor J / Display         HMI Language       SV / EN / ES / PT / DE         Reporting       Yes         Radio Communication       No         Charging Curve Set       Ves         I/C-cards       Multiple         CE       No         GL       Yes         Reporting       Yes         Reporting       No         Protection       Yes         Reporting       No         CharGen Science       Yes         Reporting       Yes	Ambient max temp (with reduced output power) [deg C]	50
Wrang Polarity Protection         Fuse           Cabinet Type         A7           Certifications         EVEX Protection           HMI         ECO Visplay           HMI Anguage         SV FD V	Cooling	Fan
Cabinet Type         A7           Certifications         EUT Display           HMI         LBD / Display           HMI Language         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/Sh         1895           10 Hours capah/Sh         250           10 Hours capah/Sh         250           12 Hours capah/Sh         250           12 Hours capah/Sh         250           12 Hours capah/Sh         250           CHARGER DILMESIONS         250           Weight excit cables [kg]         Yeight excit cables [kg]	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         CE       No         CE       No         U       Ves         CE       No         CE       No         CE       No         CE       No         CE       No         Description       Yes         FlatRGING TIMES       Ves         10 Hours capabl/Sh       195         10 Hours capabl/Sh       250         12 Hours capabl/Sh       250         CHARGER DIMENSIONS       250         Weight excl. cables [kg]       Yes	Wrong Polarity Protection	Fuse
HMI Language     HMI Language     Mu Language     Aporting     Sy FN / ES / PT / DE     Sy FN / ES / PT / DE     Reporting     Reporting     Automation     No     Support      Support      No     Support      Support      No     Support      Support     Support      Support      Support      Suppo	Cabinet Type	Α7
HMI 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       1895         10 Hours cap.ah/Sh       1895         12 Hours cap.ah/Sh       250         12 Hours cap.ah/Sh       3671         EtARGER DIMENSIONS       Yes         Weight excl. cables [kg]       Yes	Certifications	
Reporting       Yes         Radio Communication       No         Charging Curve Set       Yes         //O-cards       Multiple         (/O-cards       No         CE       No         UL       Yes         CHARGING TIMES       Yes         6 Hours cap.ah/5h       1995         10 Hours cap.ah/5h       1995         12 Hours cap.ah/5h       2750         12 Hours cap.ah/5h       3671         EHARGER DIMENSIONS       Vest         Weight text. cables [kg]       Yes	НМІ	LED / Display
Radio CommunicationNoCharging Curve SetYesI/O-cardsMultipleCENoULYesCHARGING TIMESYes6 Hours capah/5h189510 Hours capah/5h250010 Hours capah/5h3671CHARGER 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         195           10 Hours cap.ah/5h         2/50           10 Hours cap.ah/5h         3671           12 Hours cap.ah/5h         3671           Yes         Yes	Reporting	Yes
I/O-cards         Multiple           CF         No           UL         Yes <b>CHARGING TIMES</b> -           6 Hours cap.ah/5h         -           8 Hours cap.ah/5h         1995           10 Hours cap.ah/5h         250           12 Hours cap.ah/5h         3671           CHARGER DIMENSIONS         -           Weight excl. cables [kg]         -	Radio Communication	No
CE         No           UL         Yes           CHARGING TIMES           6 Hours cap.ah/5h         Yes           8 Hours cap.ah/5h         1895           10 Hours cap.ah/5h         2750           12 Hours cap.ah/5h         3671           12 Hours cap.ah/5h         3671           12 Hours cap.ah/5h         3671           12 Hours cap.ah/5h         3671           12 Hours cap.ah/5h         Yes           Yes         Yes	Charging Curve Set	Yes
ULYesCHARGING TIMES6 Hours capah/5h18958 Hours capah/5h189510 Hours capah/5h275012 Hours capah/5h3671CHARGER DIMENSIONSWeight excl. cables [kg]	I/O-cards	Multiple
CHARGING TIMES         6 Hours cap.ah/5h         8 Hours cap.ah/5h         10 Hours cap.ah/5h         10 Hours cap.ah/5h         2750         12 Hours cap.ah/5h         3671         CHARGER DIMENSIONS         Weight excl. cables [kg]	CE	No
6 Hours cap.ah/5h 8 Hours cap.ah/5h 10 Hours cap.ah/5h 12 Hours cap.ah/5h 2750 3671 CHARGER DIMENSIONS Weight excl. cables [kg] Weight incl. cables [kg]	UL	Yes
8 Hours cap.ah/5h189510 Hours cap.ah/5h275012 Hours cap.ah/5h3671CHARGER DIMENSIONSWeight excl. cables [kg]Yeight incl. cables [kg]	CHARGING TIMES	
10 Hours cap.ah/5h       2750         12 Hours cap.ah/5h       3671         CHARGER DIMENSIONS         Weight excl. cables [kg]       Veight incl. cables [kg]	6 Hours cap.ah/5h	
12 Hours cap.ah/5h       3671         CHARGER DIMENSIONS         Weight excl. cables [kg]       Veight incl. cables [kg]	8 Hours cap.ah/5h	1895
CHARGER DIMENSIONS Weight excl. cables [kg] Weight incl. cables [kg]	10 Hours cap.ah/5h	2750
Weight excl. cables [kg] Weight incl. cables [kg]	12 Hours cap.ah/5h	3671
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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