

## **TECHNICAL DATA**

## ACCESS 50 36V/105A BATTERY CHARGERS

STATED DATA ACCORDING TO MICROPOWER STANDARD	
Part number	AP3436
Model	ACCESS 50
Туре	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]	10
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]	4937
Apparent Power Consumption [VA]	5197

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Internal current, do not tripp face of class [A]         B           Oction Ripple         -5           Efficiency (at rated power and no cables) [As]         93           PROPERTIES           Ingress protection         #20           Ambient temperature range [at full output power] [dog C]         5to +40           Cooling         Connection           Short Circuit         Yes           Winning Polarity Protection         Fisiss           Cabinet Type         A16           Certifications         U.           HMI         LED/Display           HMI         LED/Display           Ribbliance         Sy FM / ES / PT / DE           Reporting         Yes           Reporting         Yes           Reporting         Yes           Charging Guive Set         Multiple           Uc         Ves           CHARGING TIMES           CHARGING TIMES           CHARGING TIMES           10 Hours capab/Sh         683           11 Hours capab/Sh         168           12 Hours capab/Sh         168           12 Hours capab/Sh         168           12 Hours capab/Sh         17 Hought excl. cables [kg]	Power Factor	0.95
PROPERTIES  Ingress protection Ingress Ingress protection Ingress Ingress protection Ingress Ing	Inrush current, do not tripp fuse of class [A]	В
Ingress protection Ingress Ingres	Output Ripple	<5
Ingress protection         IP20           Ambient transparture range (at full output power) [deg C]         -5 to 40           Conling         Convection           Shart Circuit Protection         Yes           Wrong Polarity Protection         fuse           Certifications         UL           BMI Language         LEO/Osphay           Reporting         Yes           Reporting         Yes           Reporting         Yes           Reporting         Yes           Charging Convo Set         Wes           U.C         Yes           Charging Convo Set         Multiple           U.C         Yes           CHARGING TIMES         Yes           CHARGING TIMES         Siz           10 Hours capabl/5h         603           20 Hours capabl/5h         160           20 Hours capabl/5h         140           21 Hours capabl/5h         140           22 Hours capabl/5h         140	Efficiency (at rated power and no cables) [%]	93
Ambient temperature range (at full output power) [deg C]         -5 to +40           Ambient max temp (with reduced output power) [deg C]         50           Cooling         Convection           Wrong Polarity Protection         Yes           Wrong Polarity Protection         A16           Certifications         UL           HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Reporting         Yes           Radio Communication         Yes           LD-cards         Optional           CE         No           UL         Yes           CHARGING TIMES         Yes           CHARGING TIMES         603           8 Hours capa.ht/5h         975           10 Hours capa.ht/5h         1168           12 Hours capa.ht/5h         1401           CHARGER DIMENSIONS         Weight nect. cables [kg]         7           Weight inct. cables [kg]         10	PROPERTIES	
Ambient max temp (with reduced output power) [deg C]         50           Cooling         Convection           Short Gircuit Protection         Yes           Wrong Polarity Protection         Fuse           Cabinet Type         A16           Certifications         UL           HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Reduc Communication         Yes           Clarging Curve Set         Multiple           I/O-cards         Optional           CE         No           CHARGING TIMES         Yes           6 Hours capal/5h         603           8 Hours capal/5h         375           10 Hours capal/5h         1168           12 Hours capal/5h         1401           CHARGER DIMENSIONS         Yes           Weight text. cables [kg]         7           Weight text. cables [kg]         10	Ingress protection	IP20
Cooling         Convection           Short Circuit Protection         Yes           Wrong Polarity Protection         Fuse           Cabinet Type         A16           Cortifications         UL           HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Radio Communication         Yes           Charging Curve Set         Multiple           UC -cards         Optional           CE         No           UL         Yes           CHARGING TIMES         S           6 Hours capah/5h         603           10 Hours capah/5h         375           10 Hours capah/5h         1168           12 Hours capah/5h         1401           CHARGER DIMENSIONS         Y           Weight incl. cables [kg]         7           Weight incl. cables [kg]         10	Ambient temperature range (at full output power) [deg C]	-5 to +40
Short Circuit Protection         Yes           Wrong Polarity Protection         Fuse           Cabinet Type         A16           Certifications         UL           HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Redic Communication         Yes           Charging Curve Set         Multiple           UC -cards         Optional           CE         No           UL         Yes           CHARGING TIMES         603           8 Hours capala/5h         603           10 Hours capala/5h         1168           12 Hours capala/5h         1401           CHARGER DIMENSIONS         Yes           Weight text cables [kg]         7           Weight incl. cables [kg]         10	Ambient max temp (with reduced output power) [deg C]	50
Wrong Polarity Protection         Fuse           Cabinet Type         A16           Certifications         UL           HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Radio Communication         Yes           Charging Curve Set         Multiple           UL         Yes           CE         No           UL         Yes           CHARGING TIMES         Yes           6 Hours capah/5h         603           8 Hours capah/5h         803           10 Hours capah/5h         815           10 Hours capah/5h         1168           12 Hours capah/5h         1401           CHARGER DIMENSIONS         Yes           Weight trock cables [kg]         7           Weight tinck cables [kg]         10	Cooling	Convection
Cabinet Type         A16           Certifications         UL           HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Radio Communication         Yes           Charging Curve Set         Multiple           I/O-cards         Optional           CE         No           UL         Yes           CHARGING TIMES         S7           6 Hours capah/5h         603           10 Hours capah/5h         1168           12 Hours capah/5h         1401           CHARGER DIMENSIONS         Yes           Weight incl. cables [kg]         7           Weight incl. cables [kg]         10	Short Circuit Protection	Yes
Certifications         UL           HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Redio Communication         Yes           Charging Curve Set         Multiple           U/O-cards         Optional           CE         No           CHARGING TIMES           6 Hours cap all/5h         603           8 Hours cap all/5h         875           10 Hours cap all/5h         1168           12 Hours cap all/5h         1401           CHARGER DIMENSIONS         Vegeth cact. cables [kg]         7           Weight incl. cables [kg]         10	Wrong Polarity Protection	Fuse
HMI         LED/Display           HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Radio Communication         Yes           Charging Curve Set         Multiple           I/O-cards         Optional           CE         No           UL         Yes           CHARGING TIMES           6 Hours capa.hl/5h         603           8 Hours capa.hl/5h         875           10 Hours capa.hl/5h         1168           12 Hours capa.hl/5h         1401           CHARGER DIMENSIONS         Yes           Weight excl. cables [kg]         7           Weight incl. cables [kg]         10	Cabinet Type	A16
HMI Language         SV / EN / ES / PT / DE           Reporting         Yes           Radio Communication         Yes           Charging Curve Set         Multiple           I/O-cards         Optional           CE         No           UL         Yes           CHARGING TIMES           6 Hours cap.ah/5h         603           8 Hours cap.ah/5h         375           10 Hours cap.ah/5h         1168           12 Hours cap.ah/5h         401           CHARGER DIMENSIONS         Veight excl. cables [kg]         7           Weight incl. cables [kg]         10	Certifications	UL
Reporting         Yes           Radio Communication         yes           Charging Curve Set         Multiple           I/O-cards         Optional           CE         No           UL         yes           CHARGING TIMES         5           6 Hours capah/5h         603           8 Hours capah/5h         375           10 Hours capah/5h         1168           12 Hours capah/5h         1401           CHARGER DIMENSIONS           Weight excl. cables [kg]         7           Weight incl. cables [kg]         10	НМІ	LED/Display
Radio Communication Yes Charging Curve Set Multiple 1/O-cards Optional  CE UL Yes  CHARGING TIMES  6 Hours capah/5h 603  8 Hours capah/5h 875  10 Hours capah/5h 1168  12 Hours capah/5h 1401  CHARGER DIMENSIONS  Weight incl. cables [kg] 7  Weight incl. cables [kg] 10  Multiple Multiple Optional No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  No  Optional  No  Opt	HMI Language	SV / EN / ES / PT / DE
Charging Curve Set  1/0-cards  CE  No  UL  CHARGING TIMES  6 Hours capah/5h  8 Hours capah/5h  10 Hours capah/5h  12 Hours capah/5h  CHARGER DIMENSIONS  Weight incl. cables [kg]  Multiple  Optional  Multiple  Optional  Optiona	Reporting	Yes
I/O-cards       Optional         CE       No         UL       Yes         CHARGING TIMES         6 Hours cap.ah/5h       603         8 Hours cap.ah/5h       875         10 Hours cap.ah/5h       1168         12 Hours cap.ah/5h       1401         CHARGER DIMENSIONS         Weight excl. cables [kg]       7         Weight incl. cables [kg]       10	Radio Communication	Yes
CE       No         UL       Yes         CHARGING TIMES         6 Hours cap.ah/5h       603         8 Hours cap.ah/5h       875         10 Hours cap.ah/5h       1168         12 Hours cap.ah/5h       1401         CHARGER DIMENSIONS         Weight excl. cables [kg]       7         Weight incl. cables [kg]       10	Charging Curve Set	Multiple
UL         Yes           CHARGING TIMES           6 Hours cap.ah/5h         603           8 Hours cap.ah/5h         875           10 Hours cap.ah/5h         1168           12 Hours cap.ah/5h         401           CHARGER DIMENSIONS           Weight excl. cables [kg]         7           Weight incl. cables [kg]         10	1/O-cards	Optional
CHARGING TIMES           6 Hours cap.ah/5h         603           8 Hours cap.ah/5h         875           10 Hours cap.ah/5h         1168           12 Hours cap.ah/5h         1401           CHARGER DIMENSIONS           Weight excl. cables [kg]         7           Weight incl. cables [kg]         10	CE	No
6 Hours cap.ah/5h 8 Hours cap.ah/5h 10 Hours cap.ah/5h 12 Hours cap.ah/5h 1401 CHARGER DIMENSIONS Weight excl. cables [kg] 7 Weight incl. cables [kg] 10 Hours cap.ah/5h 10 Hours cap.ah/5h 1168 12 Hours cap.ah/5h 1401 1401 1401 1501 1601 1601 1701 10 Hours cap.ah/5h 1101 1101 1101 1101 1101 1101 1101 11	UL	Yes
8 Hours cap.ah/5h 10 Hours cap.ah/5h 1168 12 Hours cap.ah/5h 1401  CHARGER DIMENSIONS  Weight excl. cables [kg] 7  Weight incl. cables [kg] 10	CHARGING TIMES	
10 Hours cap.ah/5h 1168  12 Hours cap.ah/5h 1401  CHARGER DIMENSIONS  Weight excl. cables [kg] 7  Weight incl. cables [kg] 10	6 Hours cap.ah/5h	603
12 Hours cap.ah/5h 1401  CHARGER DIMENSIONS  Weight excl. cables [kg] 7  Weight incl. cables [kg] 10	8 Hours cap.ah/5h	875
CHARGER DIMENSIONS  Weight excl. cables [kg] 7  Weight incl. cables [kg] 10	10 Hours cap.ah/5h	1168
Weight excl. cables [kg] 7 Weight incl. cables [kg] 10	12 Hours cap.ah/5h	1401
Weight incl. cables [kg] 10	CHARGER DIMENSIONS	
	Weight excl. cables [kg]	7
Outer Dimensions Height [mm] 387	Weight incl. cables [kg]	10
	Outer Dimensions Height [mm]	387

Outer Dimensions Width [mm]	266
Outer Dimensions Depth [mm]	152
Min Spacing Required	Se User Manual
SHIPPING DIMENSIONS	
Shipping Weight [kg]	11
Box Height [mm]	260
Box Width [mm]	325
Box Depth [mm]	550
CHARGING	
Charging Ionic	LK10-18 Ionic mixture
Charging Standard	LK10-06 Standard Curve
Charging Gel	LK20-09
Charging Li-lon	0
Charging AGM	LK20-09
Moisture Resistance	No
Dusty Environment	No
Outdoor use	No
Cold store	No
Tropical	No