

TECHNICAL DATA

ACCESS 50 BATTERY CHARGER

STATED DATA ACCORDING TO MICROPOWER STANDARD

VARIABLE	UNIT	VALUE	AP2389	PA2386	AP2423	AP2429	PA2426	AP2483	AP2489	PA2486
Part number		AP2383	AP2389	PA2386	AP2423	AP2429	PA2426	AP2483	AP2489	PA2486
Model	-	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50
Type	-	24V/80A	24V/80A	24V/80	24V/100A	24V/100A	24V/100A	24V/130A	24V/130A	24V/130A
Output voltage	V	24	24	24	24	24	24	24	24	24
Output current (at 2,4 Vpc)	A	80	80	80	100	100	100	130	130	130
MAINS DATA										
Mains phase	-	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Mains voltage supply	V	200-240	380-440	480-480	200-240	380-440	480-480	200-240	380-440	480-480
Mains current (at min rated mains V)	A	7,8	4,2	3,1	9,8	5,3	3,8	12,7	6,7	5,0
Mains current (at max rated mains V)	A	6,5	3,6	-	8,1	4,6	-	10,5	5,8	-
Max mains fuse	A	25	16	16	25	16	16	25	16	16
Mains cable area	mm ²	4x1,5	4x1,5	4xAWG14	4x1,5	4x1,5	4xAWG14	4x2,5	4x1,5	4xAWG14
Mains cable length	m	3	3	3	3	3	3	3	3	3
Mains connector (Included)	-	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P
BATTERY CONNECTION										
Battery cable	mm ²	2x25	2x25	2xAWG4	2x35	2x35	2xAWG2	2x50	2x50	2xAWG1/0
Battery cable length	m	3	3	3	3	3	3	3	3	3
Battery connector (not included)	-	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined
ELECTRIC DATA										
Standby power consumption	W	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Power consumption	W	2 567	2 626	2 430	3 225	3 314	3 038	4 179	4 189	3 949
Apparent power consumption	VA	2 702	2 764	2 558	3 395	3 488	3 198	4 399	4 410	4 157
Power factor	-	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95
Inrush current	A	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
Output ripple	% RMS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Efficiency (at rated power and no cables)	%	91	92	92	91	92	92	91	92	92
PROPERTIES										
Ingress protection	IP	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Ambient temperature range (at full capacity)	°C	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40
Ambient max temp (with reduced capacity)	°C	50	50	50	50	50	50	50	50	50
Cooling	-	Fan	Fan	Fan	Fan	Fan	Fan	Fan	Fan	Fan
Short circuit protection	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wrong polarity protection	-	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
Cabinet type	-	A16	A16	A16	A16	A16	A16	A16	A16	A16
Certifications	-	CE	CE	UL	CE	CE	UL	CE	CE	UL
HMI	-	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display
HMI Language	-	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT
Radio communication	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Charging curve set (specification tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website
I/O-cards	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Accessories (accessories tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website
CHARGING TIMES (Charging Curve: LK10-18 with Chemical Acid Circulation)										
6 h	Ah C5	459	459	459	574	574	574	746	746	746
8 h	Ah C5	665	665	665	833	833	833	1083	1083	1083
10 h	Ah C5	887	887	887	1112	1112	1112	1446	1446	1446
12 h	Ah C5	1220	1220	1220	1532	1532	1532	1992	1992	1992
CHARGER DIMENSIONS										
Charger weight excl. cables	kg	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7
Charger weight incl. cables	kg	9,1	9,1	9,1	9,7	9,7	9,7	10,8	10,6	10,6
Dimensions	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Fixing center points	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Min spacing required	mm	100	100	100	100	100	100	100	100	100
SHIPPING DIMENSIONS										
Box height	mm	270	270	270	270	270	270	270	270	270
Box width	mm	330	330	330	330	330	330	330	330	330
Box depth	mm	460	460	460	460	460	460	460	460	460
Shipping weight	kg	10,3	10,3	10,3	10,9	10,9	10,9	12,0	11,7	11,7

TECHNICAL DATA

ACCESS 50 BATTERY CHARGER

STATED DATA ACCORDING TO MICROPOWER STANDARD

VARIABLE	UNIT	AP3343	AP3349	PA3346	AP3383	AP3389	PA3386	AP3433	AP3439	PA3436
Part number		AP3343	AP3349	PA3346	AP3383	AP3389	PA3386	AP3433	AP3439	PA3436
Model	-	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50
Type	-	36V/60A	36V/60A	36V/60A	36V/80A	36V/80A	36V/80A	36V/105A	36V/105A	36V/105A
Output voltage	V	36	36	36	36	36	36	36	36	36
Output current (at 2,4 Vpc)	A	60	60	60	80	80	80	105	105	105
MAINS DATA										
Mains phase	-	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Mains voltage supply	V	200-240	380-440	480-480	200-240	380-440	480-480	200-240	380-440	480-480
Mains current (at min rated mains V)	A	8,6	4,7	3,5	11,5	6,3	4,6	15,1	8,2	6,1
Mains current (at max rated mains V)	A	7,1	4,1	-	9,5	5,4	-	12,5	7,1	-
Max mains fuse	A	25	16	16	25	16	16	25	16	16
Mains cable area	mm ²	4x1,5	4x1,5	4xAWG14	4x2,5	4x1,5	4xAWG14	4x2,5	4x1,5	4xAWG14
Mains cable length	m	3	3	3	3	3	3	3	3	3
Mains connector (Included)	-	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P
BATTERY CONNECTION										
Battery cable	mm ²	2x16	2x16	2xAWG6	2x25	2x25	2xAWG4	2X35	2X35	2xAWG2
Battery cable length	m	3	3	3	3	3	3	3	3	3
Battery connector (not included)	-	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined	User defined
ELECTRIC DATA										
Standby power consumption	W	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Power consumption	W	2 838	2 954	2 753	3 785	3 939	3 671	4 967	5 127	4 818
Apparent power consumption	VA	2 988	3 110	2 898	3 984	4 147	3 864	5 229	5 397	5 071
Power factor	-	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95	0,95
Inrush current	A	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
Output ripple	% RMS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Efficiency (at rated power and no cables)	%	91	92	93	91	92	93	91	92	93
PROPERTIES										
Ingress protection	IP	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Ambient temperature range (at full capacity)	°C	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40
Ambient max temp (with reduced capacity)	°C	50	50	50	50	50	50	50	50	50
Cooling	-	Fan	Fan	Fan	Fan	Fan	Fan	Fan	Fan	Fan
Short circuit protection	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wrong polarity protection	-	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
Cabinet type	-	A16	A16	A16	A16	A16	A16	A16	A16	A16
Certifications	-	CE	CE	UL	CE	CE	UL	CE	CE	UL
HMI	-	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display
HMI Language	-	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT
Radio communication	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Charging curve set (specification tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website
I/O-cards	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Accessories (accessories tab)	-	See website	See website	See website	See website	See website	See website	See website	See website	See website
CHARGING TIMES (Charging Curve: LK10-18 with Chemical Acid Circulation)										
6 h	Ah C5	344	344	344	459	459	459	603	603	603
8 h	Ah C5	500	500	500	665	665	665	875	875	875
10 h	Ah C5	667	667	667	887	887	887	1168	1168	1168
12 h	Ah C5	919	919	919	1220	1220	1220	1401	1401	1401
CHARGER DIMENSIONS										
Charger weight excl. cables	kg	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7
Charger weight incl. cables	kg	8,5	8,5	8,5	9,4	9,1	9,1	10,0	9,7	9,7
Dimensions	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Fixing center points	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Min spacing required	mm	100	100	100	100	100	100	100	100	100
SHIPPING DIMENSIONS										
Box height	mm	270	270	270	270	270	270	270	270	270
Box width	mm	330	330	330	330	330	330	330	330	330
Box depth	mm	460	460	460	460	460	460	460	460	460
Shipping weight	kg	9,7	9,7	9,7	10,5	10,3	10,3	11,1	10,9	10,9

TECHNICAL DATA

ACCESS 50 BATTERY CHARGER

STATED DATA ACCORDING TO MICROPOWER STANDARD

VARIABLE	UNIT	AP4343	AP4349	PA4346	AP4383	AP4389	PA4386
Part number		AP4343	AP4349	PA4346	AP4383	AP4389	PA4386
Model	-	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50	ACCESS 50
Type	-	48V/60A	48V/60A	48V/60A	48V/80A	48V/80A	48V/80A
Output voltage	V	48	48	48	48	48	48
Output current (at 2,4 Vpc)	A	60	60	60	80	80	80
MAINS DATA							
Mains phase	-	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Mains voltage supply	V	200-240	380-440	480-480	200-240	380-440	480-480
Mains current (at min rated mains V)	A	11,6	6,1	4,6	15,5	8,2	6,1
Mains current (at max rated mains V)	A	9,7	5,3	-	12,9	7,1	-
Max mains fuse	A	25	16	16	25	16	16
Mains cable area	mm ²	4x2,5	4x1,5	4xAWG14	4x2,5	4x1,5	4xAWG14
Mains cable length	m	3	3	3	3	3	3
Mains connector (Included)	-	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P	CEE16 (Blue)	CEE16 (Red)	NEMA L16-30P
BATTERY CONNECTION							
Battery cable	mm ²	2x16	2x16	2xAWG6	2x25	2x25	2xAWG4
Battery cable length	m	3	3	3	3	3	3
Battery connector (not included)	-	User defined	User defined	User defined	User defined	User defined	User defined
ELECTRIC DATA							
Standby power consumption	W	< 5	< 5	< 5	< 5	< 5	< 5
Power consumption	W	3 817	3 814	3 613	5 101	5 127	4 818
Apparent power consumption	VA	4 018	4 015	3 804	5 369	5 397	5 071
Power factor	-	0,95	0,95	0,95	0,95	0,95	0,95
Inrush current	A	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
Output ripple	% RMS	< 1	< 1	< 1	< 1	< 1	< 1
Efficiency (at rated power and no cables)	%	92	93	93	92	93	93
PROPERTIES							
Ingress protection	IP	IP20	IP20	IP20	IP20	IP20	IP20
Ambient temperature range (at full capacity)	°C	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40	-5 to +40
Ambient max temp (with reduced capacity)	°C	50	50	50	50	50	50
Cooling	-	Fan	Fan	Fan	Fan	Fan	Fan
Short circuit protection	-	Yes	Yes	Yes	Yes	Yes	Yes
Wrong polarity protection	-	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
Cabinet type	-	A16	A16	A16	A16	A16	A16
Certifications	-	CE	CE	UL	CE	CE	UL
HMI	-	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display	LED/Display
HMI Language	-	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT	SV / EN / ES / PT
Radio communication	-	Yes	Yes	Yes	Yes	Yes	Yes
Charging curve set (specification tab)	-	See website	See website	See website	See website	See website	See website
I/O-cards	-	Optional	Optional	Optional	Optional	Optional	Optional
Accessories (accessories tab)	-	See website	See website	See website	See website	See website	See website
CHARGING TIMES (Charging Curve: LK10-18 with Chemical Acid Circulation)							
6 h	Ah C5	344	344	344	459	459	459
8 h	Ah C5	500	500	500	665	665	665
10 h	Ah C5	667	667	667	887	887	887
12 h	Ah C5	919	919	919	1220	1220	1220
CHARGER DIMENSIONS							
Charger weight excl. cables	kg	6,7	6,7	6,7	6,7	6,7	6,7
Charger weight incl. cables	kg	8,7	8,5	8,5	9,4	9,1	9,1
Dimensions	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Fixing center points	-	See drawing	See drawing	See drawing	See drawing	See drawing	See drawing
Min spacing required	mm	100	100	100	100	100	100
SHIPPING DIMENSIONS							
Box height	mm	270	270	270	270	270	270
Box width	mm	330	330	330	330	330	330
Box depth	mm	460	460	460	460	460	460
Shipping weight	kg	9,9	9,7	9,7	10,5	10,3	10,3