

AXlgo

TRACTION-BATTERY CHARGER

High-frequency compact charger



General

- High frequency traction-battery charger AXlgo is small, simple and easy to operate. But in the care for batteries it is as precise as more equipped types.
- HF technology saves the energy, accelerate the charging and prolonged lifetime of batteries.
- Output current is possible to set in steps according to the battery capacity. Operational status is indicated by signal lights.
- They meet the hard requirements of three shift operation in industrial areas such as production plants, logistic centers, airports and others.

Benefits

- Compact design - easy to use
- High efficiency up to 94%
- Rapid and accurate recharging
- Lower cost of battery maintenance
- High stability of output parameters
- High resistance to mains disturbances
- Galvanic separation mains – output
- High power factor (PFC) and softstart
- Very high reliability



SMALL but POWERFUL

SIMPLE but SMART



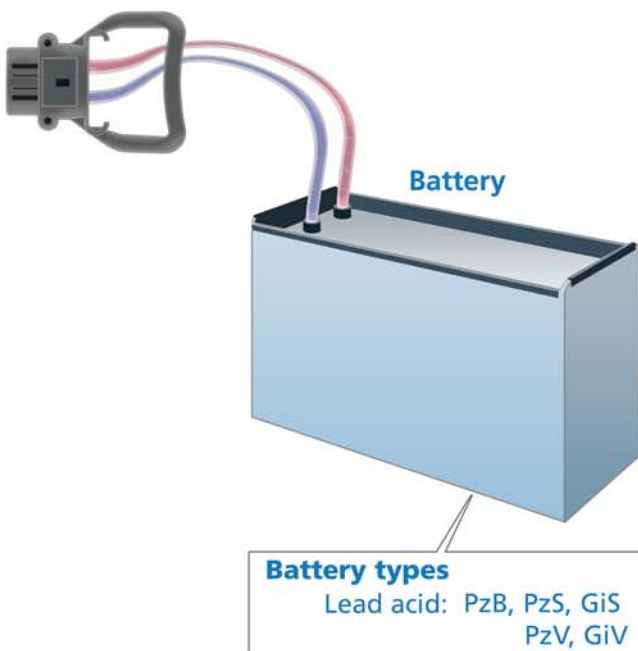
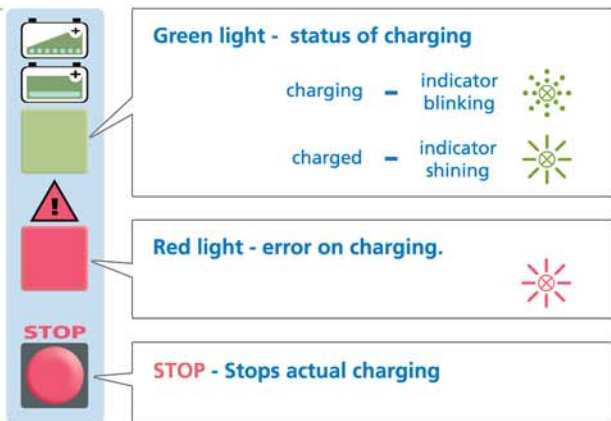
Output current setting

Type AXlgo	I _{max} [A]	Setting possibilities [A]			
xx - 25	25,0	22,5	20,0	17,5	15,0
xx - 27	27,5	25,0	22,5	20,0	17,5
xx - 30	30,0	25,0	20,0	15,0	10,0
xx - 50	50,0	45,0	40,0	35,0	30,0
xx - 55	55,0	50,0	45,0	40,0	35,0
xx - 60	60,0	50,0	45,0	40,0	35,0
xx - 75	75,0	67,5	60,0	52,5	45,0
xx - 80	82,5	75,0	67,5	60,0	52,5
xx - 100	100,0	90,0	80,0	70,0	60,0
xx - 110	110,0	100,0	90,0	80,0	70,0
xx - 150	150,0	135,0	120,0	105,0	90,0
xx - 165	165,0	150,0	135,0	120,0	105,0
xx - 200	200,0	180,0	160,0	140,0	120,0

Features

- Output voltages up to 96 VDC
- Output current up to 200 A
- IU1a or IUa charging curve according DIN 41 772
- Operates with all types of batteries
- Verification of the battery after connection, automatic start
- "Regeneration" mode
- Supply from the mains 1ph 230V or 3ph 400V
- Short circuit proof output
- Polarity reversal protection

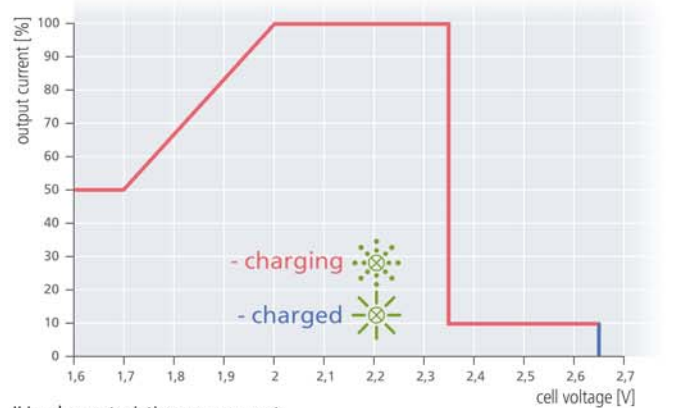
Control panel



Characteristics IU1a



Characteristics IU1a - gel



IUa characteristics on request

Battery vs. current*

Output current [A]	Recharge time / Capacity range [Ah]			
	8h (IU1a)	10h (IU1a)	12h (IU1a)	10h (IU1a-gel)
10	63 - 70	80 - 90	95 - 105	75 - 90
15	94 - 105	120 - 130	140 - 155	115 - 130
20	125 - 140	155 - 175	190 - 205	150 - 175
25	157 - 175	195 - 215	235 - 255	190 - 220
30	190 - 210	235 - 260	280 - 310	230 - 260
35	220 - 245	270 - 300	330 - 360	270 - 305
40	250 - 280	315 - 345	375 - 410	305 - 345
45	280 - 315	350 - 390	420 - 460	345 - 390
50	315 - 350	390 - 430	470 - 510	385 - 435
60	375 - 425	470 - 520	560 - 615	460 - 520
70	440 - 490	545 - 605	655 - 715	540 - 610
80	500 - 560	625 - 690	750 - 815	615 - 700
90	565 - 635	700 - 775	845 - 920	690 - 780
100	625 - 700	780 - 860	935 - 1020	770 - 870
110	690 - 770	860 - 950	1030 - 1125	845 - 955
120	750 - 845	935 - 1035	1125 - 1225	920 - 1045
140	880 - 990	1090 - 1210	1315 - 1430	1080 - 1220
160	1010 - 1120	1250 - 1380	1500 - 1635	1230 - 1390
180	1130 - 1260	1410 - 1550	1690 - 1840	1385 - 1565
200	1260 - 1400	1560 - 1730	1880 - 2040	1540 - 1740

* Recommended values

Specifications

Efficiency	up to 94%	Degree of protection	IP20	CE	Standards:	EN 61000-6-2
Output voltage stability	± 1%	Operating conditions	-10°C to +40°C			EN 61000-6-4
Cooling	forced ventilation	Protection class	I			EN 60950-1

Table of types

Nominal output voltage [V]	Max.* output current [A]	Mains [V]	Type AXIgo	Mains current [A]	Mains fuse** [A]	Case	Weight [kg]
12	30	1ph 230	12 - 30	1,7	6	S	3,7
	60		12 - 60	3,5	6	M	6,6
24	30	1ph 230	24 - 30	3,5	6	S	3,7
	60		24 - 60	7,2	10	M	6,6
	100	3ph 400	24 - 100	4,0	6	M	8,8
	200		24 - 200	8,0	10	L	17,0
36	30	1ph 230	36 - 30	5,4	10	M	6,6
	55	3ph 400	36 - 55	3,3	6	M	8,8
	110		36 - 110	6,6	10	L	17,0
	165		36 - 165	9,9	16	XL	26,0
48	30	1ph 230	48 - 30	7,2	10	M	6,6
	50	3ph 400	48 - 50	4,0	6	M	8,8
	100		48 - 100	8,0	10	L	17,0
	150		48 - 150	12,0	16	XL	26,0
72	27	3ph 400	72 - 27	3,2	6	M	8,8
	55		72 - 55	6,6	10	L	17,0
	80		72 - 80	9,9	16	XL	26,0
80	27	3ph 400	80 - 27	3,6	6	M	8,8
	55		80 - 55	7,3	10	L	17,0
	80		80 - 80	10,8	16	XL	26,0
96	25	3ph 400	96 - 25	4,0	6	M	8,8
	50		96 - 50	8,0	10	L	17,0
	75		96 - 75	12,0	16	XL	26,0

* In steps adjustable current

** Recommended external circuit-breaker type C or D

Different voltage, power or case on request

Cases



	S	M	L (XL)
			[mm]
h	↓ 237	↓ 349	↓ 383 (434)
w	← 172	← 245	← 252
d	↙ 89	↙ 93	↙ 169 (245)

Montage holes [mm]		
x	← 110	← 110
y	↓ 265	↓ 375
		↓ 410 (465)

