

STARTER BATTERIES X SERIES



Top Performance **ULTRALIFE**

12 V / 5.0 – 7.5 – 9.2 – 13.8 – 18.4 Ah

Ultralight starting batteries based on lithium iron phosphate technology. Specifically designed to ensure **maximum life** for high cranking current applications, such as start batteries in motorbikes, cars, jet sky, ATVs, Quads, vintage cars/motorbikes, ULMs and go-karts.

Exclusive features

- Weight reduction: 50% lighter than traditional batteries
- Ultra rapid complete charge: 100% in less than 30'
- Ultra rapid Partial charge: 50% in less than 10'
- Lowest self discharge rate: < 0,03 % daily
- Longer life cycle: up to **7000 charge/discharge cycles**
- Fit any mounting position
- Very good behaviour at high temperature

Eco-compatible and robust

- Lithium Iron Phosphate cells **LIFEPO4**
- BMS with microprocessor embedded
- No liquids inside
- Low impact materials
- No lead nor other materials
- Robust ABS recyclable case

Quality

- QC on each piece for every step of the assembling process
- Robotized assembly
- Cutting edge last generation components

Certifications

- EMC compatibility [EN 61000-6-1, EN 61000-6-3]
- CE declaration
- ROHS compliant [2002/95/EC]
- Test IEC 62133 – Item 4.3.7
- UL1642 Cells certification

Wall charger (optional)

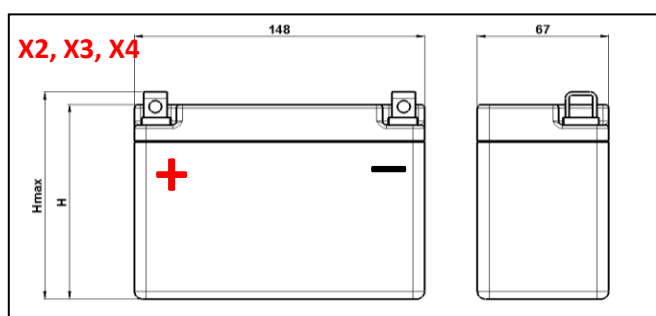
- Battery can be charged from grid using wall charger **Aliaant™ CB1210 / CB1203** or compatible models



Find the right battery for your vehicle → **www.go-aliant.com**

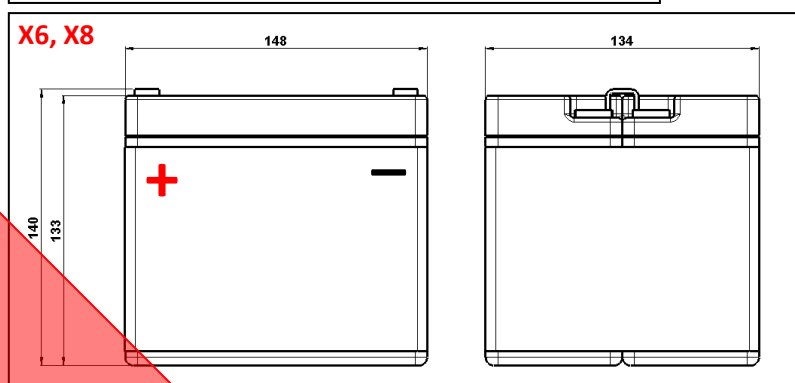
Specifications

Model	X2	X3	X4	X6	X8
Nominal Voltage	13,2 V				
Capacity	5 Ah	7,5 Ah	9,2 Ah	13,8 Ah	18,4 Ah
CA Current (10s)	240 A	360 A	480 A	720 A	960 A
CA Current @ 23°C	270 A	400 A	540 A	810 A	1080 A
CCA Current @ -18°C	200 A	300 A	400 A	600 A	800 A
Nominal charge current	6 A @ 25°C	9 A @ 25°C	12 A @ 25°C	18 A @ 25°C	24 A @ 25°C
Max charge current	10 A @ 25°C	15 A @ 25°C	20 A @ 25°C	30 A @ 25°C	40 A @ 25°C
N° cycles	<div>5000 cycles @ 80% D.o.d. (charge 1C / discharge 1C)</div> <div>> 1000 cycles @ 100% D.o.d. (charge 1C / discharge 10C)</div> <div>2000 cycles @ 80% D.o.d. (charge 1C / discharge 10C)</div> <div>7000 cycles @ 70% D.o.d. (charge 1C / discharge 1C)</div>				
Shelf life	More than 1 year without any recharge				
Charging voltage	14,4 V				
Max charging voltage	14,6 V				
Weight	≈ 0.88 Kg	≈ 1.25 Kg	≈ 1.62 Kg	≈ 2.50 Kg	≈ 3.24 Kg
Dimensions [mm]	L148 x P67 H85	L148 x P67 H112	L148 x P67 H140	L148 x P134 H140	L148 x P134 H140
Ambient temperature	-30°C / +60°C [operative and storage]				
Max altitude	5000 m				
Equivalent Lead Acid battery					
➤ Street Use	Up to 8 Ah	Up to 12 Ah	Up to 18 Ah	Up to 24 Ah	Up to 35 Ah



Dimensions [mm]

Model	H	Hmax
X2	78	85
X3	105	112
X4	133	140



www.go-aliant.com

Aliant™ batteries must be charged exclusively with Aliant™ battery chargers; using other manufacturers' chargers will immediately invalidate the product warranty. Do not use battery maintainer with Aliant™ batteries. Do not short. **Read carefully User Manual before using the battery.** This datasheet may be changed by Elsa Solutions without notice. Aliant™ batteries are not homologated for regular road use in cars.

STARTER BATTERIES X-P SERIES

Top Performance **ULTRALIFE**

12 V / 2.5 - 5 – 7.5 Ah

Ultralight starting batteries based on lithium iron phosphate technology. Specifically designed to ensure **maximum life** for high cranking current applications, such as start batteries in motorbikes, ATVs, Quads and go-karts.



Exclusive features

- Weight reduction: 50% lighter than traditional batteries
- Ultra rapid complete charge: 100% in less than 30'
- Ultra rapid Partial charge: 50% in less than 10'
- Lowest self-discharge rate: < 0,03 % daily
- Longer life cycle: up to **7000 charge/discharge cycles**
- Fit any mounting position
- Very good behaviour at high temperature



Eco-compatible and robust

- Lithium Iron Phosphate cells **LIFEPO4**
- BMS with microprocessor embedded
- No liquids inside
- Low impact materials
- No lead nor other materials
- Robust ABS recyclable case

Quality

- QC on each piece for every step of the assembling process
- Robotized assembly
- Cutting edge last generation components

Certifications

- EMC compatibility [EN 61000-6-1, EN 61000-6-3]
- CE declaration
- ROHS compliant [2002/95/EC]
- UL1642 Cells certification

Wall charger (optional)

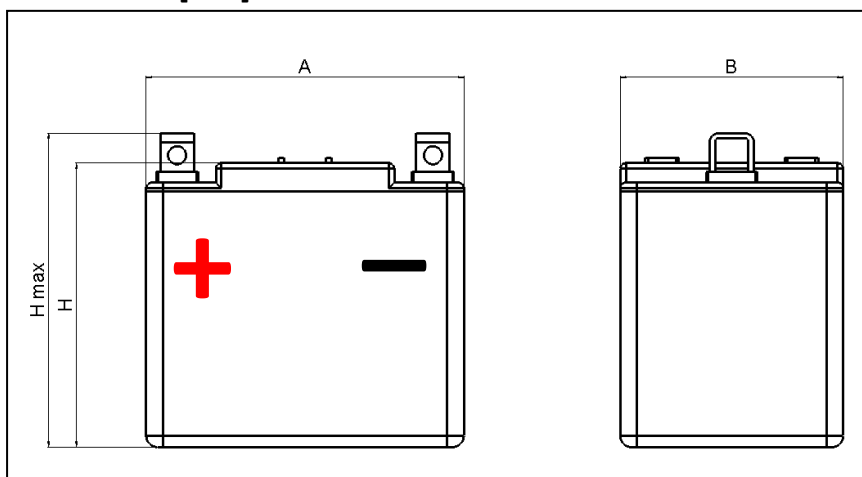
- B battery can be charged from grid using wall charger **Aliant™ CB1210 / CB1203** or compatible models

Find the right battery for your vehicle → **www.go-aliant.com**

Specifications

Model	X1P	X2P	X3P
Nominal voltage	13,2 V		
Capacity	2,5 Ah	5 Ah	7,5 Ah
CA Current (10s)	120 A	240 A	360 A
CA Current @ 23°C	135 A	270 A	400 A
CCA @ -20°C	100 A	200 A	300 A
Nominal charge current	3 A @ 25°C	6 A @ 25°C	9 A @ 25°C
Max charge current	10 A @ 25°C	10 A @ 25°C	15 A @ 25°C
N° cycles	5000 cycles @ 80% D.o.d. (charge 1C / discharge 1C) > 1000 cycles @ 100% D.o.d. (charge 1C / discharge 10C) 2000 cycles @ 80% D.o.d. (charge 1C / discharge 10C) 7000 cycles @ 70% D.o.d. (charge 1C / discharge 1C)		
Shelf life	More than 1 year without any recharge		
Charging voltage	14,4 V		
Max charging voltage	14,6 V		
Weight	≈ 0.46 Kg	≈ 0.76 Kg	≈ 1.15 Kg
Dimensions [mm]	L115 x P40 x H90	L115 x P69 x H90	L115 x P80 x H105
Ambient temperature	-30°C / +60°C [operative and storage]		
Max altitude	3000 m		
Equivalent Lead Acid battery			
➤ Street use	Up to 5 Ah	Up to 8 Ah	Up to 12 Ah

Dimensions [mm]



Model	H	Hmax	A	B
X1P	90	98	114	40
X2P	90	98	114	69
X3P	105	113	114	80



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YLP SERIES STARTER BATTERIES

Aliant quality best price!

12 V / from 5 to 30 Ah Pb.Eq.

Ultralight starter batteries based on safest lithium iron phosphate technology.

High performance at low temperature, long life and competitive prices make the new YLP Series the battery with the best quality price ratio currently in the market. This ultra-compact product line has been developed specifically for high cracking application such as motorcycles, ATV and Quad.



Exclusive features

- Good behavior at high and **low temperature (test @ -18°C)**
- **Up to 3000 charge/discharge cycles**
- **Up to 12000 starts**
- Weight reduction: 50% lighter than traditional batteries
- Ultra rapid complete charge: 100% in less than 40'
- **Ultra rapid partial charge** in less than 2 minutes
- Lowest self-discharge rate: < 0.05 % daily (battery disconnected)
- Longer life : 3 to 5 times higher than traditional batteries
- Fit any mounting position

Eco-compatible

- Lithium iron phosphate cells **LIFEPO4**
- **Active Balancing embedded control electronics with Microprocessor control**
- No liquids inside
- Low impact materials
- No lead nor other materials
- Robust ABS recyclable case

Quality

- QC on each piece for every step of the assembling process
- **Assembled in Italy**
- Cutting edge last generation components

Certifications

- EMC Compatibility [EN 61000-6-1, EN 61000-6-3]
- CE declaration
- ROHS compliant [2002/95/EC]

Wall charger (optional)

- Battery can be charged from the grid using wall charger AliantTM CB1203 / CB1210* or using a compatible battery charger / maintainer**



**STREET / CAFE RACER
TOURING / CUSTOM**



**OFFROAD / ENDURO
MAXIENDURO**





SCOOTERS / MOPEDS

Find the right battery for your vehicle → www.go-aliant.com

Specifications

Model	YLP05B	YLP05	YLP07	YLP09X	YLP09B	YLP10	YLP12	YLP14	YLP18	YLP24	YLP30
Equivalent to	YTX5L-BS YTX4L-BS	YT4B-BS YTZ5S	YTZ7S YTZ6S YT6B-3 YT7B-BS YTX7A-BS YTX7L-BS	YTX9-BS YTR9-BS	YT9B-BS YT7B-BS	YTZ10S	YT12A-BS YT12B-BS	YT14B-BS YTX14-BS YTX14L-BS	YB16(L)-B YB18(L)-A YTX18(L)-BS 51913	YTX20(L)-BS YTX24HL-BS	YIX30L YIX30L-BS 53030 YB30L-B
Nominal voltage	12,8 - 13,2 V										
Eq. Pb capacity	5 Ah	5 Ah	7 Ah	8 Ah	9 Ah	10 Ah	12 Ah	14 Ah	18 Ah	24 Ah	30 Ah
CA (23°C)	160 A	170 A	260 A	280 A	280 A	380 A	440 A	490 A	750 A	900 A	950 A
CCA (-18°C)	80 A	85 A	130 A	140 A	140 A	200 A	220 A	245 A	400 A	490 A	520 A
Charge Current	5 A	5 A	5 A	5 A	5 A	10 A	10 A	10 A	20 A	20 A	20 A
Life(23°C)	3000 cycles @ 70% D.o.d. (charge 1C / discharge 1C) 2000 cycles @ 80% D.o.d. (charge 1C / discharge 1C)										
Starts	Up to 12000 starts										
Shelf life	1 year @ 23°C without any load and with 80% of original performance										
Charge Voltage	14,4 V										
Max charge voltage	14,6 V										
Weight (g)	≈ 380	≈ 430	≈ 450	≈ 450	≈ 550	≈ 740	≈ 750	≈ 760	≈ 1600	≈ 1650	≈ 1700
Dimensions [mm]	W110xD70xH80	W114 x D40 x H98			W150xD65xH91	W114 x D69 x H98			W148 x D67 x H140		
Temperature	-30°C / +60°C [operative e storage]										

Dimensions [mm]

Model	Height	Terminal Max Height	Width	Depth	Terminal layout	
YLP05B	70	80	110	70	Positive on right side	
YLP05	90	98	114	40	Positive on left	
YLP07	90	98	114	40	Positive on left	
YLP09X	90	98	114	40	Positive on left	
YLP09B	80	91	150	65	Positive on left	
YLP10	90	98	114	69	Positive on left	
YLP12	90	98	114	69	Positive on left	
YLP14	90	98	114	69	Positive on left	
YLP18	133	140	148	67	Positive on left	
YLP24	133	140	148	67	Positive on left	
YLP30	133	140	148	67	Positive on left	

Numero Verde
800 132 166



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*CB1203 compatible for all models. CB1210 only for YLP10 / YLP12 / YLP14 / YLP18 / YLP24 / YLP30 models.

** Check on the Aliant website list of the compatible battery chargers – www.go-aliant.com

The use of non-compatible battery chargers / maintainers will immediately invalidate the product warranty and can immediately damage the Aliant batteries.

Do not short. **Read carefully User Manual before using the battery.**

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