ALIANT™ ULTRALIGHT BATTERY **X-P** SERIES LITHIUM

START BATTERIES

X-P Series- Xtra Power

Top performance, very compact!

12 V / 2.3 - 4.6 – 6.9 Ah

***Custom*: 12 V / 13.8 – 18.4 Ah**

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

- Starts up 4 strokes engines Otto / Diesel
- Starts up 2 strokes engines Otto

This family of product is suitable for replacing all the Lead Acid battery type usually installed today without requiring any change to the vehicle electric system. Please check our online configurator to choose the right model for your application.

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: < 0,3 % daily
- Longer life cycle: 5 to 10 times higher than traditional batteries
- Fit any mounting position
- Very good behaviour at high temperature

Eco-compatible and safe

- Low impact materials
- No lead nor other materials
- No liquids inside
- Lithium Iron Phospate cells make the accumulator safer
- Integrated electronics to protect from overload
- 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

Wall charger (optional)

- Battery can be charged from grid using **ONLY** wall charger **Aliant™**

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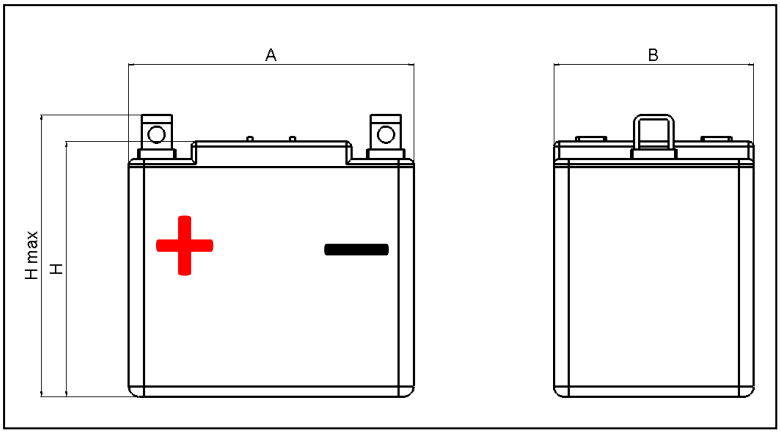
Specifications

Model	X1P	X2P	X3P	*CUSTOM (>1000pcs)*	
				X6P	*X8P*
Nominal voltage	**13,2 V**				
Capacity	**2,3 Ah**	**4,6 Ah**	**6,9 Ah**	**13,8 Ah**	**18,4 Ah**
Pulse discharge current	120 A (10 s)	240 A (10 s)	360 A (10 s)	720 A (10 s)	960 A (10 s)
CCA @ -20°C	100 A	200 A	300 A		
Continuous discharge current	40 A	80 A	120 A		
Nominal charge current	3 A @ 25°C	6 A @ 25°C	9 A @ 25°C	18 A @ 25°C	24 A @ 25°C
Max charge current	5 A @ 25°C	10 A @ 25°C	15 A @ 25°C	30 A @ 25°C	40 A @ 25°C
N° cycles (charge 1C/discharge 10C)	1000 cycles @ 100% D.o.d. 2000 cycles @ 80% D.o.d.				
Life expectancy	Up to 5-7 anni				
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	5000 m				
Equivalent Lead Acid battery					
➢ **Street use**	**Up to 5 Ah**	**Up to 8 Ah**	**Up to 12 Ah**	**Up to 24 Ah**	**Up to 35 Ah**
➢ **Racing Use**	**Up to 7 Ah**	**Up to 12 Ah**	**Up to 16 Ah**	**Up to 30 Ah**	**Up to 50 Ah**

Dimensions [mm]



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

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.