

X-R SERIES STARTER BATTERIES



Top Performance RACING

12 V / 20 – 24 – 40 – 60 Ah Pb.Eq.

Ultralight starter batteries based on safest lithium iron phosphate technology. The products have been developed in order to assure **weight and compactness lower than any other lithium starter battery in the market.** This is the right battery for all those application which require high cranking current in a minimum space such as **starter in racing cars, single seat and prototype.** Product shape and dimensions have been optimized to replace the most common types of the batteries currently in the racing cars competition.

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. In case of alternator or any other vehicle charge system is missing, please contact Aliant service support for a technical check.

Exclusive features

- Weight reduction: 80% 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 (battery disconnected)
- Longer life cycle: up to 3000 charge/discharge cycles
- Fit any mounting position
- Very good behavior at high temperature

Eco-compatible and safe

- Lithium Iron Phosphate cells make the accumulator safer
- 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

Certificazioni

- 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 Aliant™ CB1203 / CB1210* or using a compatible battery charger / maintainer

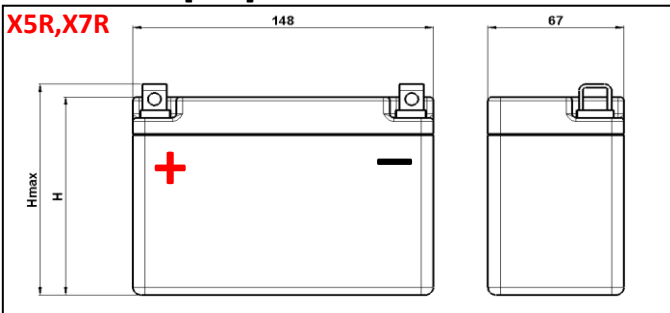


Seleziona la batteria giusta per te → www.go-aliant.com

Specifications

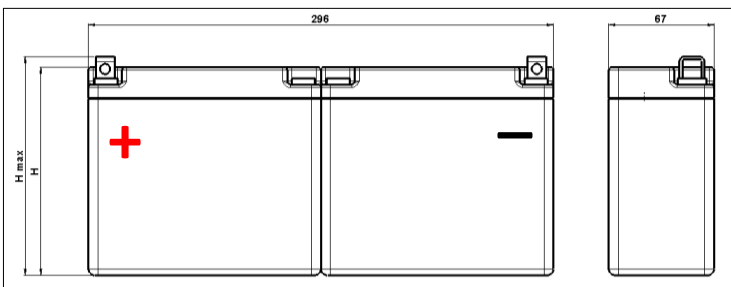
Model	X5R	X7R	X10R	X14R
Nominal Voltage	13,2 V			
Pb Equivalent Capacity	20 Ah	30 Ah	40Ah	60 Ah
Current CA @ 23°C	500 A	700 A	1000 A	1400 A
Current CCA @ -18°C	400 A	490 A	800 A	980 A
Nominal Charging Current	10 A @ 25°C	10 A @ 25°C	20 A @ 25°C	20 A @ 25°C
Max Charging Current	20 A @ 25°C	20 A @ 25°C	40 A @ 25°C	40 A @ 25°C
N° cycles	3000 cicli @ 70% D.o.d. (carica 1C / scarica 1C) 2000 cicli @ 80% D.o.d. (carica 1C / scarica 1C)			
N° starters	Up to 12000 starters			
Shelf life	Up to 1 year without any recharge			
Charging Voltage	14,4 V			
Max charging voltage	14,6 V			
Weight	≈ 1.6 Kg	≈ 1.7 Kg	≈ 3.2 Kg	≈ 3.4 Kg
Dimensions [mm]	L148 x P67 H140	L148 x P67 H140	L296 x P67 H140	L296 x P67 H140
Ambient temperature	-30°C / +60°C [operative e storage]			

Dimensions [mm]



Model	H	Hmax
X5R, X7R	133	140
X10R, X14R	133	140

X10R, X14R



Numero Verde
800 132 166



www.go-aliant.com

Recharge these batteries exclusively with ALIAN™ charger or with a compatible model. 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.** This datasheet may be changed by ELSA Solutions without any notice. Aliant batteries are not homologated for regular road use in cars.