

LIFEPO4 BATTERY MANTAINER

CB1203 – 3 Amp charger / Xtra Small

Compact and inexpensive battery charger!

Use with → Aliant X, X-P and YLP series / 2 to 20Ah

This battery charger is specifically designed for 12V lithium iron phosphate batteries. It is very easy to use and thanks to its extremely low weight and dimension you can bring it everywhere. Perfect to maintain the battery during long rest period. Available also with **Optional Kit equipped with the quick cable connection.**

Exclusive features

- **Special maintenance feature** to keep your lithium battery alive
- **Ultra compact** and **ultra-light** charger
- Universal INPUT - multi voltage 100~240 V & multi frequency 50~60 Hz
- Green LED indicating "charge" - "full charge"



LIFEPO4 PRO BATTERY CHARGER

CB1210 – 10 Amp charger / Xtra Power

High performance, small weight!

Use with → Aliant X, X-P, EA and YLP series / 10 to 100Ah

High performance battery charger specifically designed for 12V lithium iron phosphate batteries. 200Watts powerful charger to reduce charging times, complete with 4digits display to show main parameters (SOC %, Instant Current, Instant Voltage). Full charge of Aliant X4 in 75-80mins, 80% partial charge in 55-60mins!

Perfect for use in the PITs or in the WORKSHOPS.

Available also with **Optional Kit for quick cable connection.**

Exclusive features

- **10x time** Faster charging capability, charging times of LIFEPO4 batteries reduced by 90%
- Great power, excellent voltage stability
- Universal INPUT - multi voltage 100~240 V & multi frequency 50~60 Hz
- Innovative algorithm for load compensation according to temperature
- 4-digit display indicating status of charge



Technical specifications

Model	CB1210	CB1203
Nominal Voltage	14,6 V +/-0.1V	14,6 V +/-0.1V
Rated current	10 A	3 A
Precharge1(@2.5V/Cell)	2.5 A	
Precharge2(@2.9V/Cell)	5 A	
Charge3(<30% rated current)	3 A	3 A
power	200 W	90 W
Efficiency	>85 % full load	>80 % full load
Input voltage	100~240 V	100~240 V
Frequency	47~63 Hz	50~60 Hz
Battery reverse	Protection with automatic shutdown	Protection with automatic shutdown
Short circuit	Protection with automatic shutdown	Protection with current limit
Overload	Protection with current limit	Protection with current limit
Dimensions [mm]	L 167 x P 103 x H 50	L 130 x P 62 x H 32
Weight [Kg]	0.9	0.4

Example of charging times *

	CB1210	CB1203
X1P	≈ 15-20 min	≈ 45-60 min
X2 – X2P	≈ 30-40 min	≈ 90-120 min
X3 – X3P	≈ 45-60 min	≈ 135-180 min
X4	≈ 60-80 min	≈ 180-240 min
X8	≈ 120-160 min	≈ 360-480 min

* The time required for a full charge may depend on the individual state of charge of the cells at the time of charging.

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