

Every year, our groundwater is polluted by 350.000 tons
of discarded batteries

BATBOOSTOR[®]

CHARGER FOR DISPOSABLE BATTERIES
THE FIRST ENVIRONMENT-FRIENDLY CHARGER
FOR ALKALINE & SALINE BATTERIES

Can also charge the NiCad & Ni-MH rechargeable batteries



Creation & design : ILO Créatif - www.ilo-creatif.com / Impression : IOTA / Batboostor Photograph : Nicolas Verneuil - www.verneuilphoto.com



AES ENERGY PUMP

STOP THROWING AWAY
YOUR ALKALINE BATTERIES
AFTER USE

GIVE THEM NEW LIFE !
AND SAVE UP TO 500 \$ A YEAR
WHILE PRESERVING THE PLANET



ALPHYSIS
Ecotechnology

BATBOOSTOR®

ECO-FRIENDLY AND INTELLIGENT CHARGER
FOR ALKALINE, SALINE
AND RECHARGEABLE BATTERIES (NiCad, Ni-MH)
LR03 AAA 1,5 V, LR06 AA 1,5 V AND 6LR61 9 V



BATBOOSTOR® is an eco-friendly charger

Able to charge a lot of times so called "non rechargeable batteries" because they are usually damaged by heat from classical chargers, **BATBOOSTOR®**, our cold charger, will be at your disposal each time you want to reuse alkaline and saline batteries, instead of throwing them away.

BATBOOSTOR® is a scientific innovation

Thanks to its energy pump, invented by AES S.A., providing a discontinued charge by packets, **BATBOOSTOR®** can recharge alkaline batteries without generating heat. The Joule effect due to the classical charging process vanishes when the "energy pump" is on.



AES ENERGY PUMP

The label "AES ENERGY PUMP" guarantees that the charger you are using is truly an electronic device including the **energy pump** by AES, protected by an international licence.

Factory testing 9 V Alkaline batteries with the BATBOOSTOR® Energy Pump

The last tests made in the factory, involving the most developed prototype of the **BATBOOSTOR®**, have shown excellent results on good quality alkaline 9 V batteries.

9 Volts Output

Voltage (V)	I Charge (mA)	Max. V
7,74	208	
8,61	207	
8,78	201	
8,88	198	
8,95	197	
9,02	195	
9,13	194	
9,22	193	
9,30	192	
9,40	186	
9,52	188	
9,60	184	
9,72	183	
9,80	181	
9,90	179	
9,94	180	
10,00	179	
10,11	179	
10,22	179	
10,31	178	
10,43	179	
10,52	178	
10,66	175	
10,75	178	
10,88	178	
10,99	177	
11,10	176	
11,46	176	Max. V
OFF	0	

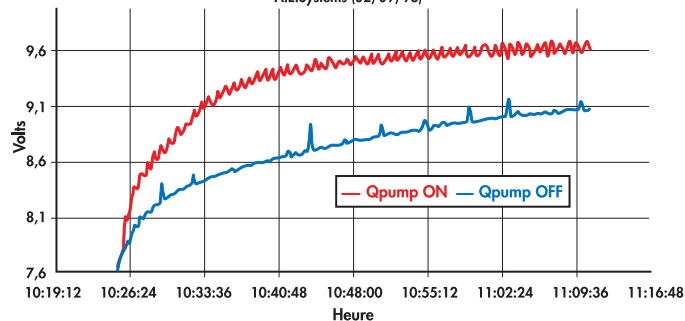
Another way to use BATBOOSTOR®

Recharging NiCad & Ni-MH batteries

Thanks to its chip able to recognize, step by step, the charge and the kind of batteries to be recharged, **BATBOOSTOR®** can be used to charge any kind of battery NiCad or Ni-MH.

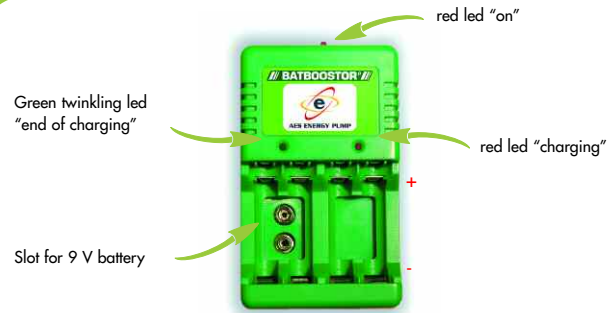
Nicd battery

Qpump (AES/E/TEP51) Charge de Batterie CdNi (8, 4v 1000 mAh - Qpump ON/OFF
A.E.Systems (02/09/98)



* "Q-Pump" (prototype) and "Energy Pump" (trademark) are two names for the same system by AES.
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USING BATBOOSTOR®

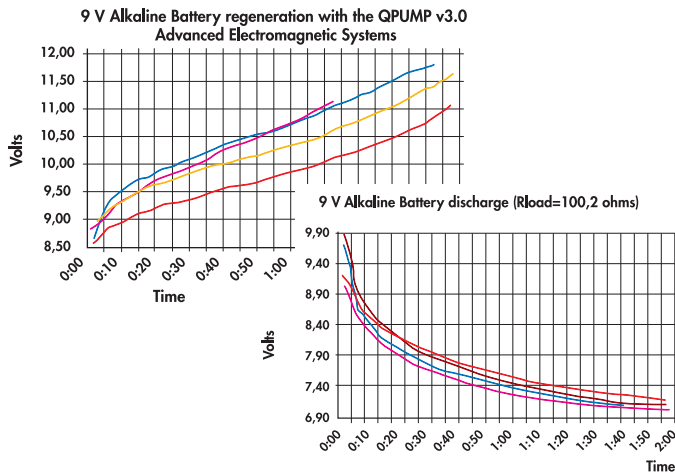


THE AES ENERGY PUMP EFFECT

A lot of laboratory tests have shown that it is possible to regenerate alkaline batteries 15 times at least. Good quality alkaline or saline batteries, not entirely discharged, can reach a high regeneration rate with the **BATBOOSTOR®** within a short time, thanks to its **AES ENERGY PUMP***.

● Laboratory testing a 9 V Alkaline battery with the **BATBOOSTOR®** Energy Pump

With the prototype V3.0, the AES laboratory tests on 9 V alkaline batteries have shown a satisfying charge in about one hour.



● Factory testing 1,5 V Alkaline batteries with the **BATBOOSTOR®** Energy Pump

The factory tests with the last **BATBOOSTOR®** prototype have shown excellent results on good quality alkaline 1,5 V batteries in charge.

4x 1,5 Volts (AA) Output		4x 1,5 Volts (AAA) Output	
Voltage (V)	I Charge (mA)	Voltage (V)	I Charge (mA)
5,07	178	5,6	166
5,35	176	5,89	166
5,43	179	5,98	166
5,5	178	6,03	166
5,6	177	6,12	165
5,71	175	6,2	161
5,8	172	6,3	161
5,9	172	6,36	162
6,02	168	6,13	160
6,1	165	6,4	157
6,2	165	6,5	156
6,3	162	6,61	155
6,4	160	6,68	154 Max. V
6,5	155	OFF	0
6,6	156		
6,7	151 Max. V		
OFF	0		

- 1 Introduce **2 or 4** LR3AAA or LR6AA 1,5 V **discharged alkaline batteries** side by side or one alkaline 6LR61 9 V. Plug in your **BATBOOSTOR®** with the plug adaptor 100-240 V.
- 2 Look at the **red Led "charging"**. Within a couple of seconds, the **red Led** becomes bright. **BATBOOSTOR®** is charging your batteries.
- 3 Let it charge until the "end of charge" **green Led** blinks. At this time, the charging circuit automatically gets off. If the **green Led** blinks at the beginning, your batteries have no need to be charged.
- 4 Unplug **BATBOOSTOR®**.
- 5 Take back your batteries. They have got a new life. You can do the same with rechargeable batteries NiCad or Ni-MH.

● **Nota bene** : you can choose charging 4 x 1,5 V batteries or only 2 x 1,5 V batteries, side by side, by starting on the left slots, or on the right slots. It is not recommended to charge two 1,5 V and one 9 V batteries at the same time.

● **Charging time** : it depends on the initial state of the batteries, but it takes maximum 1.5 h for 9 V alkaline or rechargeable batteries, maximum 3 h for 1.5 V alkaline batteries, and from 3 to 12 h for 1,5 V AAA and AA rechargeable batteries depending on their capacity. Of course alkaline and saline batteries will not charge properly if they are too old or if they don't have enough voltage left.

● **User care** : charge alkaline or rechargeable batteries **of the same trademark** and of the same type : don't mix "not rechargeable" and "rechargeable" batteries. Charge only batteries of the same brand of the same type and size at a time.

And as much as possible try to match batteries of the same level of discharge (used from the same unit). Too much discharged batteries won't charge properly. Some alkaline batteries are getting charged faster and better than others. Avoid recharging batteries that have not been used for more than 12 months. Avoid recharging corroded or leaking batteries. Indoor use only. Keep your **BATBOOSTOR®** in a dry place when you are not using it.

● **Storage of the batteries** : empty or full, the batteries must be stored side by side to avoid short-circuits.

● **Warranty** : one year, pieces and labour included. Warranty rights shall not be applied in case of a false use that wouldn't have been respectful of this "user notice".

VERY IMPORTANT : never try to charge "non rechargeable" batteries - alkaline, saline or others - with a charger that does not display the logo "AES ENERGY PUMP".



Product made under licence from **ALPHYSIS-AES**.
For product information : <http://www.alphysis.com>

BATBOOSTOR® is the first ecological and money saving charger in the international market. With **BATBOOSTOR®**, it is now possible to fast regenerate alkaline and saline batteries after use, by avoiding the hazard of leakage or blasting.

BATBOOSTOR® is presented in a biodegradable blister, ready to be laid on the shelves. Each device is delivered with its appropriate plug adaptor (100-240 V, 50-60 Hz) and its user notice. Barcode and price can be separately printed on the package.

Description

BATBOOSTOR® is made of a secured **ABS type** plastic box ; the dimensions of the device have been reduced with an external plug **14VDC/300 mA** and the use of CMS microelectronic components.

These components are standard ones but the solenoid which is handmade. The printed circuit is double-faced, with varnished and metallic holes and it presents an excellent protection against chemical and biological agents. The mounting of the electronic components is made by a robot.

The last assembling of the device is handmade. At every step of the manufacturing process, each **BATBOOSTOR®** is tested by controllers, according to the strongest quality rules, that have been written on a process book, in accordance with the international electronic specifications.

It is not advised to use alkaline batteries taken from the recycling storage cans, because the discarded batteries might have been short-circuited.

Ecotechnology involved in the making of **BATBOOSTOR®** is safe and gives no pollution.

Certification

In accordance with the latest European directives regulating the use of certain dangerous materials in electric and electronic devices, **BATBOOSTOR®** is manufactured from components that have been authorized by the **Rohs legislation**, in force since **1 july 2006**.

A components' certification is given by the manufacturer and is validated by an international board for technological survey on the following points :

- Electrical security of the device and CEM components : according to the specifications **EN 60 335-2.29**, and CEM according to the specifications **EN 55 014-1**, **EN 55 014-2**, **EN 61 000 3.2** and **EN 61 000 3.3**.

- Security of the charging functions for alkaline, saline and rechargeable batteries : controlling the ability to charging and overcharging **CEI 62 133**.

- This device is **made in Philippines by a French enterprise**, that is involved in mobile phones manufacturing since 1989, associated with well-known trademarks.

BATBOOSTOR® skills

● INTELLIGENT

BATBOOSTOR® is an intelligent charger incorporating a "real-time detector chip" enabling it to adapt to different kinds of alkaline and saline batteries as well as rechargeable cells (NiCad, Ni-MH). When the batteries are full, **BATBOOSTOR®** stops its charging and blinks.

● FAST & EFFICIENT

With **BATBOOSTOR®**, fast charging is possible with many types of batteries : Alkaline, Saline (from 1 to 3 hours), NiCad, Ni-MH (from 3 to 12 hours). Charging speed depends on the type and quality of batteries and on storage conditions at home.

● ECO-FRIENDLY

By recharging alkaline batteries without any "Joule effect", **BATBOOSTOR®** makes them reusable. When they are completely worn out they can then be disposed of for recycling in the usual way. This helps us **do something positive for future generations** by significantly reducing pollution from battery waste.



● MONEY SAVER

Our lifestyle requires ever more batteries : in digital cameras, electronic games, battery-operated toys, remote controls, flashlights, cordless phone bases, etc. By recharging ordinary batteries **15 times** at least, **BATBOOSTOR®** helps you save money : **it slashes your weekly battery expenditure almost to zero**.