

# **GB/US** power one pocketcharger

## **Scope of delivery**

- 1 x battery charger **power one pocketcharger**
- 1 x set battery compartment cartridge, respectively for the sizes 13, 312 and 10, with colour coding
- 1 x supply battery VARTA Lithium Polymer EasyPack
- 1 x connecting cable connection battery charger / electricity source for the supply battery
- 1 x mains adapter with USB interface for connecting cable
- 1 x set plug attachments for mains adapter with 4 different international connections

## **Operating instructions**

**Dear Customer,**

**We congratulate you on the purchase of a one power pocketcharger. You have acquired a modern and safe quick loading system which functions independent from the plug and which can thus accompany you everywhere. For the proper use of the device, we ask you to carefully read through the following operating instructions.**

### **1. Description**

The **power one pocketcharger** serves for loading one or two rechargeable nickel metal hydride hearing aid batteries **power one ACCU plus**. Depending on the selection of the corresponding battery compartment cartridge, either batteries of the sizes 13, 312 or 10 can be charged (the differing attachments are contained in the scope of delivery and can be changed in the device in any manner). The supply electricity is made available through a VARTA EasyPack rechargeable lithium polymer battery which is found in the loading device. The **power one pocketcharger** can thus be operated independent from a steady local power source and can be recharged within ca. 2.5 hours (only with batteries which have been completely discharged / partially charged batteries are first discharged for the safety and improved sustainability of the cell / refreshing protection).

**Please only use rechargeable batteries of the brand power one ACCU plus for the pocketcharger.**

### **2. Application**

Please open the packaging and check to see if the entire scope of delivery is contained in it. Now please take the **power one pocketcharger** and open the device through moving the silver coloured sliding lid to the maximum

position (ca. 5 cm far) in the direction of the round side of the battery charger.

Then please take the VARTA EasyPack contained in the scope of delivery and **place this in the pocketcharger with the contacts to the round side as well as the EasyPack Battery with the writing upwards.** The VARTA EasyPack Battery can be placed in the intended battery compartment with a little pressure. (Do not try to force the battery into the device. In case of difficulties, it is best if you ask your hearing aid technician for support). Afterwards slide the cover back again until the VARTA EasyPack Battery is completely covered and you feel a slight resistance.

Now select the desired size from the battery compartment cartridges contained in the scope of delivery for the rechargeable nickel metal hydride hearing aid battery **power one ACCU plus** (either 13, 312 or 10, recognisable through the respective colour code on the battery compartment cartridge) and **place this in the free compartment in the pocketcharger intended for this purpose.** Please observe that the battery compartment adapter is inserted in the correct direction. The contacts in the free compartment which is found on the straight sides of the pocketcharger must be bound with the corresponding contacts of the battery compartment cartridge, that is the straight side of the battery compartment cartridge points to the straight side of the battery charger and the slightly notched side points to the round side. The battery compartment cartridge latches through slightly pressing with the thumb. Please do not try to force the cartridge. In cases of doubt, turn to your hearing aid technician and ask for support.

To charge the VARTA EasyPack supply battery, please remove the connection cable which is included in the scope of delivery, pull it out to the desired length (**to wind it up again pull on both ends at the same time! See fig. 2, last page**) and combine the hollow plug with the plug contact on the **power one pocketcharger.** The plug contact is found on the straight side, with a top view of the pocketcharger. Connect the USB plug on the other end of the connection cable now with a suitable energy source. For this you can use the mains plug adapters contained in the scope of delivery through connecting the USB plug of the connection cable with the USB plug contact provided on the mains part. The mains plug itself has four different plug attachments. Please select the fitting plug format depending on the country or region in which you are located and plug the plug attachment to the mains plug. Then combine the mains part with a plug

near you. The VARTA EasyPack Battery is now being charged, which is shown through a yellow control signal on the **pocketcharger**.

You can also charge the VARTA EasyPack battery through the USB plug directly with a USB interface of a computer or laptop being operated. A further charging possibility results in the combination of the USB plug with an adapter for the cigarette lighter or other 12 volt connection in a car (adapter not included in the scope of delivery).

The **pocketcharger** is now in an operational condition and can be used for loading of nickel metal hydride hearing aid batteries **power one ACCU plus**. For this slide the silver coloured covering of the battery charger ca. 1 cm in the direction of the round side until you feel a slight resistance. **Please now place one or two nickel metal hydride hearing aid batteries power one ACCU plus in the battery compartment intended for this with the + side (flat side of the button cell) to the bottom. Also pay attention when inserting the button cell to the correct polarity, since otherwise no charging will take place.** Now close the silver coloured sliding lid of the **pocketcharger** again. So that the batteries are charged, the lid must be closed. The charging process for the nickel metal hydride hearing aid batteries is shown through a green blinking signal, respectively on the side in which a battery can be found.

The **power one pocketcharger** automatically checks the charging level of the inserted nickel metal hydride battery cells. Correctly uncharged cells will be charged on quick charge within 2.5 hours. In a further 2.5 hours, they will be completely charged (top-off charging). The interval of the green blinking signal then changes to 4 sec. After completion of the charging process, the green blinking signal goes off and you can remove the full cell for the operation of your hearing aid.

With a full VARTA EasyPack battery, the battery charger can be used fully independent from the power network for charging of the nickel metal hydride hearing aid batteries **power one ACCU plus**. Through its compact format which is not bigger than a bank card, it can be comfortably taken with you everywhere and stored (number of charging processes depends on the battery size and the number of the batteries to be loaded, comparative values, see attached table).

### 3. Overview charging processes with a fully charged VARTA EasyPack battery

battery size / number	1 battery	2 batteries
<b>power one</b> 13 ACCU <i>plus</i>	ca. 11	ca. 6
<b>power one</b> 312 ACCU <i>plus</i>	ca. 14	ca. 8
<b>power one</b> 10 ACCU <i>plus</i>	ca. 23	ca. 14

Estimated values, no guarantee / with a proper hearing aid battery and lithium polymer supply battery as well as for the completely uncharged cell **power one ACCU*plus***.

### 4. LED signals and device conditions

LED signal red / green / yellow / frequency	condition	cause
green blinking signal every 0.5 seconds	device in operation (quick charging)	• device is charging NiMH hearing aid battery <b>power one ACCU<i>plus</i></b>
green blinking signal every 4 seconds	device in operation (top-off-charging)	• device is charging NiMH hearing aid battery <b>power one ACCU<i>plus</i></b>
green blinking signal every 2 seconds	device in operation (refreshing)	• device is discharging NiMH hearing aid battery <b>power one ACCU<i>plus</i></b>
quick red blinking signal (5x per second)	currency battery underneath 0.05 Volt no charging	• <b>power one ACCU<i>plus</i></b> cell wrongly inserted / poled / faulty
quick red blinking signal (5x per second)	currency battery over 1.75 Volt abort charging process!	• wrong cell / not rechargeable battery inserted
yellow continuous signal	device in operation	• supply batteries VARTA EasyPack Lithium Polymer on the mains/ being charged
no signal display	device not in operation	<ul style="list-style-type: none"> <li>• inserted NiMH hearing aid battery <b>power one ACCU<i>plus</i></b> completely loaded</li> <li>• no <b>power one ACCU<i>plus</i></b> cell inserted</li> <li>• supply battery VARTA EasyPack not inserted/faulty</li> </ul>
Yellow blinking signal	device not in operation	• VARTA EasyPack empty

## 5. Handling information for NiMH accumulators

Please keep contact surfaces of the accumulators as well as in the device clean. For the best possible performance and lifespan, in principle avoid total discharging or short circuiting the battery. After a longer storage time, the full capacity does not return until several charging / discharging cycles. At a room temperature of 20–25°C, gas tight NiMH accumulators which are charged can be stored for an almost unlimited time period without an influence on the lifespan.

## Pictures (see last page)

1. **power one** pocketcharger battery charger including battery compartment cartridges
2. Connection cable USB / hollow plug
3. Mains adaptor with exchangeable plug attachments
4. Supply battery VARTA EasyPack Lithium Polymer
5. Suitable hearing aid batteries NiMH **power one ACCU plus** (not contained in the scope of delivery)