

**Product Technical Specification for :****Photo Fast (3/8h) Plug In Ni-Cd/Ni-MH Charger**

Part Number	Description
RC101677	Charger Photo P-EU 3/8h +4xAA Ni-MH 1700mAh
RC101678	Charger Photo P-UK 3/8h +4xAA Ni-MH 1700mAh

**Issue :** **A**

First Issue

	Written and reviewed by	Approved by
Name	<b>ALLEIL Philippe</b> <b>Technical Manager</b>	<b>VAN BEEK Delphine</b> <b>Product Manager</b>
Date	19-June-2000	19-June-2000
Signature		

### 1 Scope

This Fast Plug-In Charger is designed for charging 2 or 4 AAA, AA, Ni-Cd or Ni-MH batteries and 1 to 2 PP3 Ni-Cd or Ni-MH batteries. The charge is controlled by a timer with a trickle mode at the end of the charge (not applicable for PP3 batteries). The Ni-MH/Ni-Cd AAA/AA batteries will be charged in 3 or 8 hours. The Ni-MH/Ni-Cd PP3 batteries will be charged in 10 or 15 hours (standard charge).

### 2 Electrical specification

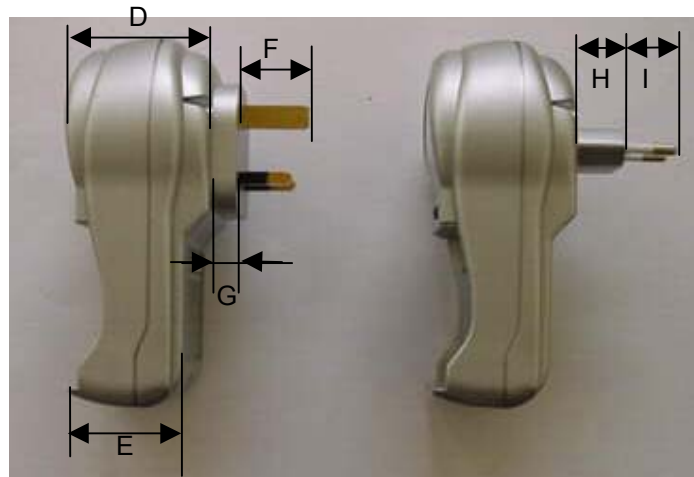
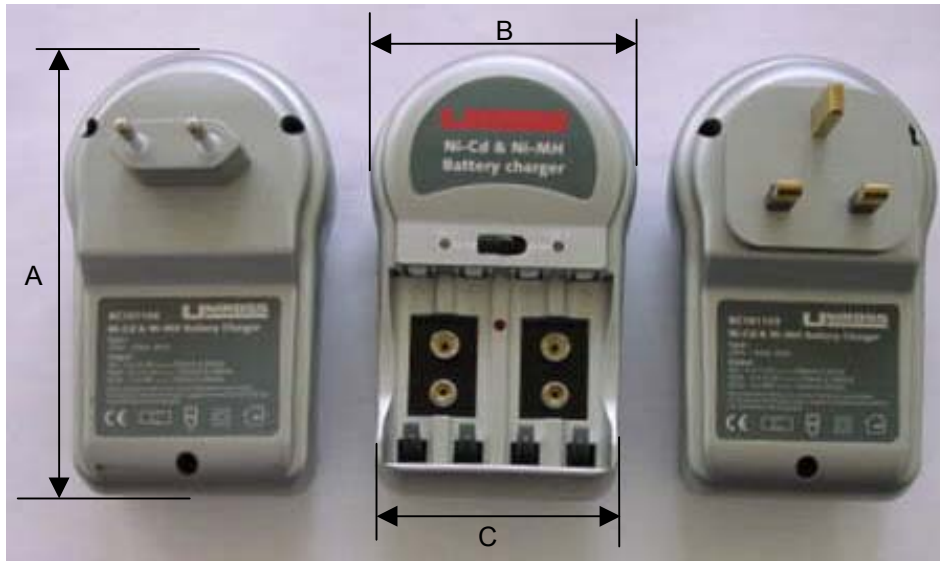
ITEM	SPECIFICATION	NOTES
<b>Input Rating</b> Voltage Frequency Power	230V~ 50Hz 6.5W	±6%
<b>Output Rating</b>	2x(2.8V/300mA) 0.84VA 2x(2.8V/120mA) 0.336VA 2x(9.0V/15mA) 0.135VA	AA AAA PP3
<b>Charging Time</b> AAA / AA Ni-Cd batteries AAA / AA Ni-MH batteries PP3 Ni-Cd 110mAh PP3 Ni-MH 150mAh	3hours 8hours 10h 15h	Controlled by the timer and depend on the number of batteries charged Controlled by the timer and depend on the number of batteries charged Controlled by the user Controlled by the user
<b>Charging Current</b> AAA Ni-Cd/Ni-MH AA Ni-Cd/Ni-MH PP3 Ni-Cd/Ni-MH	120mA 300mA 15mA	depend on the number of batteries charged depend on the number of batteries charged
<b>Trickle Current</b> AAA Ni-Cd/Ni-MH AA Ni-Cd/Ni-MH	22.5mA ±2.5mA 22.5mA ±2.5mA	
<b>Protection</b> Input Protection Reversed connection Short-Circuit	Thermo Fuse 125°C-2A No charge and without any consequence. Limitation of the output current	No contact between the battery and the charger contact

Without the permission of Uniross Quality Manager, this document may not be reproduced

<b>CE Marking</b>	
This product is in accordance with the following international standards	EN 60335-2-29: 1996 EN 50081-1 / 1992 : EN55014, EN 61000 -3-2/ -3 EN 50082-1 / 1997 : EN55014-2, EN 61000-4-2 / -3/ -4/ -5/ -6/ -11

Without the permission of Uniross Quality Manager, this document may not be reproduced

### 3 Mechanical Specification



Dimensions		
A (Height)	125 mm	
B (Width) Max	75 mm	
C (Width)	65.5 mm	
D (Depth)	48 mm	
E	37.25 mm	
F	22 mm	
G	8 mm	
H	18 mm	
I	19 mm	
Weight	330g	Charger with EU Plug
	340g	Charger with UK Plug
Enclosure Material	Polycarbonate resin type N°241R	Supplier : GE

## 4 Operating

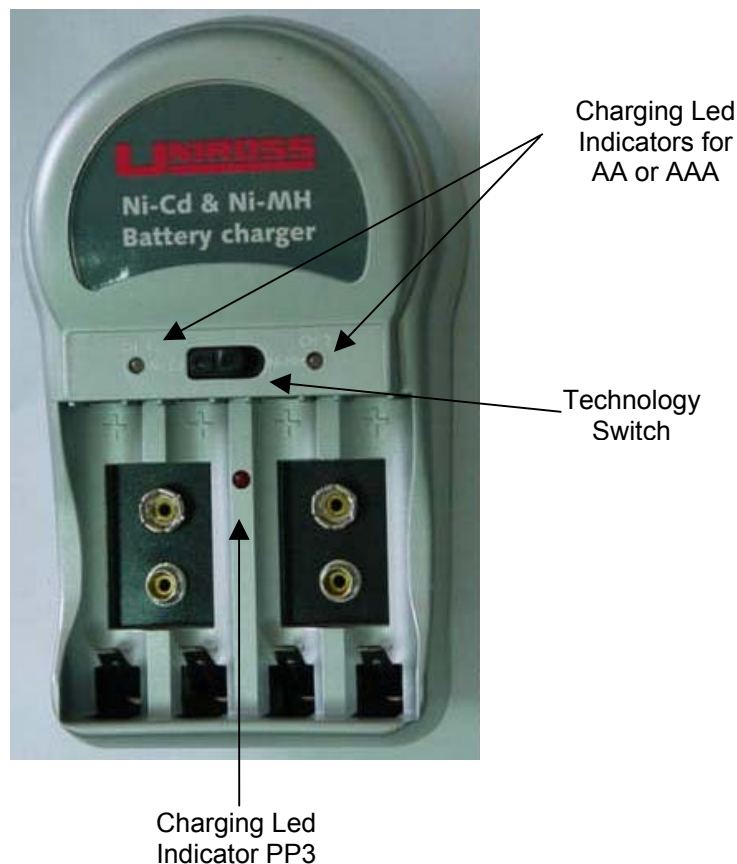
### 4.1 Before plugging the charger into the mains power

The batteries should be inserted (take care to observe polarity).

Select the correct technology (Ni-Cd or Ni-MH) with the switch.

Do not mix battery types : charged only Ni-Cd or Ni-MH at the same time (Not applicable for PP3 Batteries).

### 4.2 Charge and end of charge for AA and AAA



As the charger is plugged into the mains, the charge begins and the Charging Led indicator illuminates in red.

After the charging time defined by the timer, the charger switches in trickle mode, the Led Indicator changes from red colour to green and the batteries are now ready for use.

Do not disconnect the charger or stopped the mains power during the charge. As the timer would be resetting, the batteries would be overcharged.

#### **4.3 Charge and end of charge for PP3**

As the charger is plugged into the mains, the charge begins and the Charging Led indicator illuminates in red.

The user must stop the charge after the charging time (10 hours for Ni-Cd Battery – 15 hours for Ni-MH battery) by disconnecting the charger from mains power.

#### **4.4 Protection against reversed connection**

By the design of the charger, when a battery (AA or AAA) is inserted on the wrong way, there is not contact between the charger and the battery. That is why the charge does not begin and the Charging Led indicator does not illuminate.