## Features

- Independent charging channel & LCD display for each battery
- Can charge AA & AAA at the same time
- Overheat & overcharge protection; -dv, 0dv detection
- Charge mode: Multiple charge current regulation
- Equipped with a dedicated power adapter plug: DC 5.5 * 2.1mm
- Equipped with a separate USB output port
- Three convenient function buttons and four battery selection buttons

# RS PRO Battery Chargers

## RS Stock No.: 0360047



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

# Battery Chargers

## Product Description

This battery charger features four independent circuits and can charge any number of batteries (1, 2, 3 or 4), charges the 1.2v Ni-MH / Ni-CD AA AAA rechargeable batteries.

The LCD display clearly indicates the battery charging progress, capacity, voltage, current and charging time.

The MCU Control Technology provides a choice of current input according to different batteries, operating at an input current (0.2A, 0.5A, 0.7A, 1.0A), supports mixed charge and auto shuts off when fully charged to avoid battery damage.

Select a different charging mode for each channel: charge, discharge, refresh and test. Auto activate the 0V protected Ni-MH/CD batteries, and equip with over-temperature, reverse connection , short-circuit protection.

USB port (5V, 1A) to charge mobile phones or tablets with Ultra fast processor, 12V power supply (Worldwide voltage compatible, 100 to 240 V).

## General Specifications

| | |
|---|---|
| Battery Type Charged | 1.2V Ni-MH/Cd |
| Number of Batteries Charged | 4 |
| Chemistries Charged | NiCd; NiMH; |
| Battery Sizes Charged | 1.2V Ni-MH/Cd: AA / AAA |
| Batteries Included | No |
| Car Lighter Adaptor | No |
| Case Material | ABS |
| MTBF Calculation | 200,000 hours at max. load |
| Colour | Black |

## Electrical Specifications

| | |
|---|---|
| Input Voltage | 12V |
| Input Current | 1.5A |
| Efficiency | 85% typ. At full load |
| Plug Type | 12V/1.5A adapter with EU plug |
| Number of Charge Stages | 1; 2; 3; 4; |
| Input Lead Length | 1.2m |

# Battery Chargers

| Output Data | |
|---|---|
| Charge Current | 200mA / 500mA / 700mA / 1000mA±3%*4 |
| Output Voltage | DC 1.48V |
| Maximum Output Power | 18W |
| Number of Cells Charged | 1 to 4; |
| Capacity | 2500mAh |
| Output Connectors | 12V/1.5A adapter with EU plug |
| Charging Time | 3-15 hours |

## Mechanical Specifications

| Dimensions | 129 x 75 x 31mm(L x W x H) |
|---|---|
| Weight | 116.5g ± 10g |

## Operation Environment Specifications

| Operating Temperature | 0°C to 40°C |
|---|---|
| Storage Temperature | -20°C to 70°C |

## Protection Category

| IP Rating | IP65 |
|---|---|

## Approvals

| Compliance/Certifications | CE/ROHS/FCC |
|---|---|

## Similar Products

| Parameters | 0360045 | 0360039 | 0360042 | 0360041 | 0360047 |
|---|---|---|---|---|---|
| Brand | RS PRO | RS PRO | RS PRO | RS PRO | RS PRO |
| Battery Type Charged | 1.2V Ni-MH/Cd | 3.7V Li-ion 1.2V Ni-MH/Cd | 1.2V Ni-MH/Cd 3.6V&3.7V Li-ion | 1.2V Ni-MH/Cd | 1.2V Ni-MH/Cd |
| Number of Batteries Charged | 7 | 2 | 4 | 4 | 4 |
| Chemistries Charged | Ni-MH/Cd | Ni-MH/Cd; Li-ion | Ni-MH/Cd; Li-ion | Ni-MH/Cd | Ni-MH/Cd |
| Battery Sizes Charged | AA / AAA / C / D /6F22 | 3.7V Li-ion: 26650 1.2V Ni-MH/Cd: A/AA/AAA | A / AA / AAA / AAAA / C / SC 10440 / 14500 / 16340 | AA / AAA | AA / AAA |
| Charge Current | DC 1.2V: 500mA*6 ±20% DC 9V: 30mA*1±25% | 500mA/1000mA*2 | DC 1.48V/4.2V: 300mA/500m /700mA/1000mA *4 DC 5V/1A USB output | 500mA*4 ± 20% | DC 1.48V: 200mA / 500mA / 700mA / 1000mA±3%*4 DC USB 5V 1A ( USB power adapter function) |
| Output Voltage | 1.2V and 9V | 1.48V and 4.2V | 1.48V; 4.2V DC 5V/1A USB output | 1.2V | DC 1.48V; DC 5V |
| Maximum Output Power | 10W | 10W | 36W | 10W | 18W |
| Number of Cells Charged | 7 | 2 | 4 | 4 | 4 |
| Capacity | 2500mAh | 2500mAh | 2500mAh | 2500mAh | 2500mAh |
| Output Connectors | Type C USB | Micro USB | 12V/3A adapter | Type C USB | 12V/1.5A adapter |
| Charging Time | 6 hours | 3-6 hours | 3-10 hours | 6 hours | 3-15 hours |
| Input Voltage | DC 5V | DC 5V | DC 12V | DC 5V | DC 12V |
| Input Current | 2A | 2A | 3A | 2A | 1.5A |
| Plug Type | | | EU Plug | | EU Plug |
| Number of Charge Stages | 1,2,3,4,5,6,7 | 1,2 | 1,2,3,4 | 1,2,3,4 | 1,2,3,4 |
| Input Lead Length | 60cm | 60cm | 1.2cm | 60cm | 1.2cm |
| Colour | Black | Black | Black | Black | Black |
| Dimensions | 170x130x41.3mm | 100x60x28.5mm | 157x93x34mm | 88x72x25mm | 129x75x31mm |
| Weight | 249g ± 5g | 60.2g ± 5g | 199.5g ± 10g | 48g ± 5g | 116.5g ± 10g |