

Features

- Fast charging of any combination of Ni-MH/Ni-CD/Li-ion batteries of any capacity
- Single slot independent charging, each battery has an independent LCD display battery working status and parameters
- Identify bad batteries and non-rechargeable batteries intelligently

RS PRO Battery Chargers

RS Stock No.: 0360042



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.

Product Description

This charger works with different sized cells of NiMH, NiCd or Li-ion batteries. For 1.2 volt NiMH/NiCd batteries: AA, AAA, A, Sub C, C; for 3.7V Lithium-ion (Li-ion) sizes- 26650, 22650, 18650, 18490, 18500, 17670, 17500, 17335, 16340 (123A), 14500 (AA), 10440 (AAA).

Four individual charging slots, this smart battery charger is not limited by charging in pairs or even same cells. Each charging slot can be personalized to a specific battery to change its settings (mode/charging current).

Built in are two modes, CHARGE and TEST. The charge mode features current selection (300-1000mA) that allows you to set the charge current for each battery. While the test mode tests the capacity of your battery.

Easily toggle with a button between display options to view charge/discharge capacity, battery voltage, charge/discharge current, internal resistance, or elapsed time. The backlit LCD is visible and easy to read. In addition to charging batteries, It also has a USB port that charges your portable devices simultaneously.

With multiple protections functions, such as over charge protection, over voltage protection, over heat protection, low voltage protection, short circuit protection, reverse connection protection, 0V and -dV detection, bad battery detection, non-rechargeable battery detection.

General Specifications

Battery Type Charged	1.2V Ni-MH/Cd; 3.7V Li-ion
Number of Batteries Charged	4
Chemistries Charged	NiCd; NiMH; Li-ion
Battery Sizes Charged	1.2V Ni-MH/Cd: A / AA / AAA / AAAA / C / SC 3.6V/3.7V Li-ion:10440 / 14500 / 16340 / 18500 / 18650 / 20700 / 21700 / 22650 / 26500 / 26650
Case Material	ABS
MTBF Calculation	200,000 hours at max. load
Colour	Black

Electrical Specifications

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

Input Lead Length	1.2m
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Output Data	
Charge Current	300mA/500mA/700mA/1000mA*4
Output Voltage	DC 1.48V, DC 4.2V
Maximum Output Power	36W
Number of Cells Charged	1 to 4;
Capacity	2500mAh
Output Connectors	12V/3A adapter with EU plug
Charging Time	3-10 hours

Mechanical Specifications

Dimensions	157 x 93 x 34mm(L x W x H)
Weight	199.5g ± 10g

Operation Environment Specifications

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

Protection Category

IP Rating	IP65
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Approvals

Compliance/Certifications	CE/ROHS/FCC
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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/500mA / 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