



Type: 57688
Designation: LCD Universal Charger⁺
Plug Type: DC socket
 2.5 x 5.5 x 11.5mm
 AC socket
 67.5 (L) x 29 (W) x 80 (W) ± 0.5 mm
 Cord length 1m
 Weight 96 g ± 5 g

Systems to charge: ... Ni-MH
Cell sizes: AAA, AA, C, D, 9V, USB
Cell configurations: ... AAA, AA, C, D, 1-4pcs (single slot)
Cell configurations: ... 9V: 1pcs
 USB 5V: 1 port

Dimensions:
 Length: 169 mm ± 1 mm
 Width: 137 mm ± 1mm
 Height: 52 mm ± 1 mm
 Weight: 274 g ± 5 g

AC / DC Adapter:
Input:
 100 – 240V, AC 50-60Hz
Output
 12V DC, 1.25 A, 15W

Charging methods:
 AA/C/D:
 AAA:
 9V:
 5V USB:

DC 12V 1250mA
 Current: 450mA ± 10%
 Current: 200mA ± 10%
 Current: 34mA ± 10%
 Current: 2400mA ± 10%
Maintenance Charge:
 Current: 0mA

Housing:
 Housing material: PC
 Casing colour: Black
 AAA, AA, cell mix:

Indications: LCD display
 1: Flashing of any bar in the circle = charging
 2: all four bars fixed = charging finished
 3: Bars flash alternately = error (Err)
 4: no indication = no charge
 5: USB logo on => USB charging
 6: USB logo flashing = USB error (Err)
 7: 9V on with left circle indicate the charging %. = 9V charging
 8: 9V left circle flash alternately = error (Err)

Protective Functions:
 Reverse protection: Mechanical arrangement
 Short circuit protection: No current, LCD error (Err)
 Alkaline detection: LCD error (Err)
 Bad cell detection: LCD error (Err)

Cut off criteria:
 Ni-MH standard cells: Timer: back up timer 8 hours
 -dV for AA/AAA/C/D

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Subject to change without prior notice!
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