



Type: 57688
Designation: LCD Universal Charger⁺
 DC socket
Plug Type:..... 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:	Charger:	AC / DC Adapter:	Input:
Length:.....	169 mm ± 1 mm		100 – 240V, AC 50-60Hz
Width:.....	137 mm ± 1mm		Output
Height:	52 mm ± 1 mm		12V DC, 1.25 A, 15W
Weight:.....	274 g ± 5 g		

Charging methods:	DC 12V 1250mA	Maintenance Charge:
AA/C/D:.....	Current: 450mA ± 10%	Current: 0mA
AAA:.....	Current: 200mA ± 10%	
9V:.....	Current: 34mA ± 10%	
5V USB:.....	Current: 2400mA ± 10%	

Housing:	Indications: LCD display
Housing material: PC	1: Flashing of any bar in the circle = charging
Casing colour: Black	2: all four bars fixed = charging finished
	3: Bars flash alternately = error (Err)
	4: no indication = no charge error (Err)
	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:	Cut off criteria:
Reverse protection: Mechanical arrangement	Ni-MH standard cells: Timer: back up timer 8 hours
Short circuit protection: No current, LCD error (Err)	-dV
Alkaline detection: LCD error (Err)	
Bad cell detection: LCD error (Err)	

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