

2215-2216

Programmable chargers for NiMH/NiCd batteries

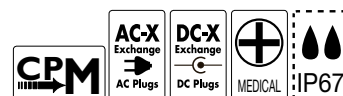
2216 - exchangeable AC plugs



tech spec

- Universal input voltage
- CPM-Computer Programmable Microprocessor offering:
 - Charge detection options (one or more):
 - dV, dT/dt, 0 dV, Timer
 - Safety timer, dV threshold, and temp. gradient adjustment
- Order mains cord separately
- Custom specifications on request
- Approvals:
 - Medically certified
 - Safety: EN 60601-1 ed. 3.1
 - UL approved

For updates: see www.mascot.no



2216

TECHNICAL SPECIFICATIONS

GENERAL INPUT/OUTPUT

Input voltage:	90-264 VAC, 50-60Hz
Max. output power:	35W
Trickle charge current:	100mA +/-50mA
	10-20 cell: 50mA +/-25mA
Leakage current from batt. w. mains off:	< 1mA
Start timer (no -dV detection)*:	3 min.
Top-off timer*:	1 hour
Safety timer*:	2 hours
Switch frequency:	40 kHz
Temperature range:	-20°C - +40 °C
Efficiency (at 100% load):	ca 78 %
IP-code:	41
Dimensions (LxWxH):	107 x 67 x 36,5mm (2215)
Weight:	250g

SAFETY PROTECTION EMC

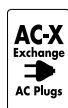
Protection	
• Input:	High Breaking Capacity Fuse
• Output:	Polyswitch fuse against reversed polarity
Insulation class:	II
Electrical safety std:	EN 60950, EN 60601-1 EN 60335-2-29
EMC standards	
• Medical:	EN 60601-1-2
• Emission:	EN 61000-6-3
• Immunity*:	EN 61000-6-1
Mains connection**:	2-pin IEC 320 Fixed cord on request (2215)

*Programmable

** Mains cable not included. Order separately.

VERSIONS

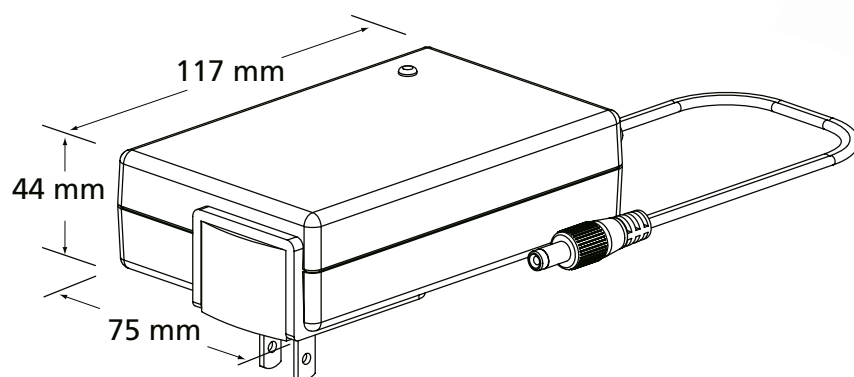
Cells	No-load voltage	Min. out. for -dV detection	Max out. for -dV detection	-dV detection mV/cell or %	Fast charge current	Top-off charge (1h. a. -dV det.)
2	8,7V +/-0,7V	2,5V (min. 2 c.)	3,6V (max 2 c.)	11mV/0,6%	3,0A +/- 250mA	390mA +/- 80mA
3-6	12,8V +/-0,7V	3,7V (min. 3 c.)	10,8V (max 6 c.)	11mV/0,6%	3,0A +/- 250mA	390mA +/- 80mA
4-8	16,5V +/-1V	5,0V (min. 4 c.)	14,4V (max 8 c.)	8mV/0,5%	2,2A +/- 150mA	310mA +/- 80mA
5-10	21V +/-1,2V	6,2V (min. 5 c.)	18V (max 10 c.)		1,8A +/- 150mA	270mA +/- 70mA
6-12	24,7V +/-1,5V	7,5V (min. 6 c.)	21,6V (max 12 c.)		1,5A +/- 100mA	240mA +/- 60mA
10-20	41V +/-2V	12,5V (min. 10 c.)	36V (max 20 c.)		0,9A +/- 70mA	130mA +/- 40mA
Note:		min 1,25 V pr. cell	max 1,8 V pr. cell			



For 2216 only:
 Exchangeable AC plug models

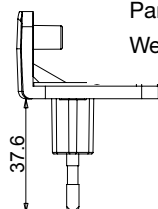


2-pin IEC 320 C7 mains cord
 1800 mm EU part no. 131306
 UK part no. 131148, US part no.
 131147, AU part no. 013108



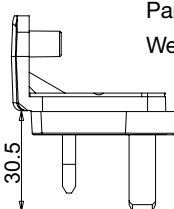
EU plug

Part no. 018110
 Weight: 21 g



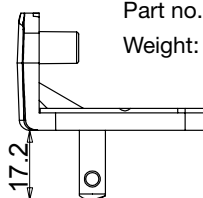
UK plug

Part no. 018112
 Weight: 30 g



US plug

Part no. 018111
 Weight: 14 g



AU plug

Part no. 018114
 Weight: 28 g

