

- 3-step charge control with current detection
- XLR output plug for wheelchairs and scooters
- Input voltage 198-264 VAC
- Wake up and low current start-up of deeply discharged batteries
- Error indication for reverse polarity, charging of wrong lower voltage battery pack, defect battery and safety timer run-out
- Mounting bracket included
- ECO-design compliance: DoE and CEC
- Approvals:
 - Medically certified
 - Safety: EN 60601-1 ed. 3.1
 - EMC: EN 60601-1-2 ed. 4
 - UL approved



For updates: see www.mascot.no

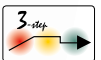
TECHNICAL SPECIFICATIONS

GENERAL INPUT/OUTPUT

Input voltage:	198-264 VAC
Line Frequency:	47 – 50Hz
Switch frequency, approx.:	65 kHz
Leakage current from batt. with mains switched off:	<130µA @ 24V
Temperature range	
• Operating:	-25 °C - +40 °C
• Storage:	-25 °C - +65 °C
Temp. compensation of charge voltage	-3 to -4mV/°C pr. cell (w. batt. clips only)
Ripple:	< 100 mV p-p
Dimensions (L×W×H):	210 × 113 × 53 mm
Weight:	With mains cable 1400g With IEC60320 1150g

SAFETY PROTECTION EMC

Protection:	Protected against reversed polarity, short circuit proof and thermal run-off. Prevents sparking. Charge timer: 4h Safety timer: 72h Class II (Double insulated)
Insulation class:	Class II (Double insulated)
Insulation voltage	4000VAC / 5700VDC
Primary – secondary:	EN 60601
Electrical safety std:	EN 60601-1-2:2015
EMC standards	EN 60601-1-2:2015
Input terminal:	2-pin IEC 60320 or fixed mains cable
Output terminals:	XLR plug or cord with insulated battery clips and temp. sensor
IP-code:	IP44



VERSIONS

Charge control (LED indication)							
	Step 0 < 30 min	Step 0 > 30 min	Step 1	Step 2	Step 3	Float charge	Restart
	(Yellow)	(Red=error)	(Yellow)	(Flash Yellow)	(Green)		
12V	2,4A ± 0,5A (batt. volt < 10,5A)	< 0A	20A ± 0,3A (batt. volt >10,5V) (to Vbat = 14,7V)	14,7V ± 0,1V (until I charge <2,4A or >4hr) tapering charge current	13,7V ± 0,1V (until I charge > 18A) supply current up to max 20A for possible parallel load	20V ± 01,V Pulsing curr. at safe float volt level for max. topping of batt. capacity	>18A or <13V in 10 sec
24V	1,4A ± 0,5A (batt. volt < 21V)		10A ± 0,3A (batt. volt >21V) (to Vbat = 29,4V)	29,4V ± 0,2V (until I charge <1,4A or >4hr) tapering charge current	27,4V ± 0,1V (until I charge > 8,5A) supply current up to max 10A for possible parallel load	27,4V ± 01,V Pulsing curr. at safe float volt level for max. topping of batt. capacity	>8,5A or <26V in 10 sec