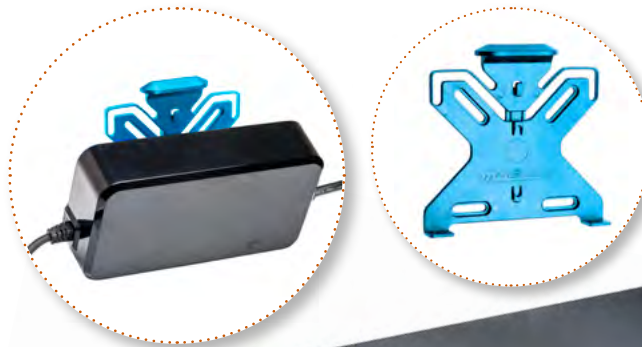


- 3-step charge control with current detection
- XLR output plug for wheelchairs and scooters available
- Input voltage 198-264 VAC
- Wake up and low current start-up of deeply discharged batteries
- Error indication for reverse polarity, charging of wrong lower voltage battery pack, defect battery and 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](http://www.mascot.no)

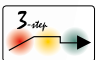
### TECHNICAL SPECIFICATIONS

#### GENERAL INPUT/OUTPUT

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

#### SAFETY PROTECTION EMC

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