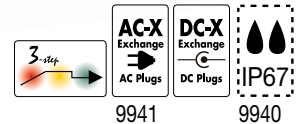


## Chargers for lead acid batteries

### tech spec

#### 9941 - exchangeable / utskiftbare AC plugs

- 3-step charge control with timer
- Universal input voltage (90-264 VAC)
- 2-pin IEC 320 mains connector
- Order mains cord separately
- Mounting bracket available
- Exchangeable DC plugs
- Waterproof (IP67) version available
- Approvals:
  - Complies w. medical std. (EN 60601)
  - 9940: UL approved (UL 60601-1)
  - For updates: see [www.mascot.no](http://www.mascot.no)
- 3-trinns ladekontroll med timer
- Universal inngangsspenning (90-264 VAC)
- 2-pin IEC 320 nettkontakt
- Nettledning best. separat
- Kan leveres med festebrakett
- Utskiftbare DC plugger
- Vanntett (IP67) versjon kan leveres
- Godkjenninger:
  - Tilfredst. medisinsk std. (EN 60601)
  - 9940: UL godkjent (UL 60601-1)
  - For oppdat.: se [www.mascot.no](http://www.mascot.no)



#### Technical specifications

#### Tekniske data

#### 12 V\*

Line regulation:	Linjeregulering:	< 100 mV
Svitsjefrekvens ca.:	Switch frequency, approx.:	45 kHz
Leakage current	Strømtrekk fra batteri	
with mains disconnected:	ved frakoblet nett:	< 200 uA
Temperature range:	Temperaturområde:	-10 °C - +40 °C
Ripple:	Rippel:	< 100 mV p-p
Efficiency (at 100% load):	Virkningsgrad (ved 100% last):	> 80 %
Current limit:	Strømbegrenser:	2,3 A ± 0,3
Protection:	Sikring:	Mains fuse / Glassikring Automatically resettable fuse protects the charger against wrong polarity. Feil polaritet beskyttelse med automatisk resetbar sikring.
Insulation class:	Isolasjonsklasse:	II
Electrical safety standard:	Elektrisk sikkerhetsstandard:	EN 60950, EN 60335, UL 60601-1
EMC standards	EMC standarder	
• Emission:	• Emisjon:	EN 61000-6-3
• Immunity:	• Immunitet:	EN 61000-6-1
Mains connection:	Nettilkobling:	2-pin IEC 320 mains connector
Indicator:	Indikasjon:	3-fargers lysdiode - 3-color LED
• Orange: (const. current, boost):	• Orange: (konst. strøm, hurtig):	2,3 A
• Yellow: (const. voltage, timer):	• Gul: (konst. spenn., timer):	14,7 V
• Green: (const. voltage, float):	• Grønn: (konst. spenn., vedl.hold):	13,8 V
Timer**:	Timer**:	2h ± 30%
Output terminals:	Utgangsterminaler:	Battery clips, push-on terminals, DC connector Batteriklemmer, flatstift kontakter, DC plugg
Dimensions (LxWxH):	Mål (LxBxH):	107 × 67 × 36,5 mm (9941: 117 × 75 × 44 mm)
Weight:	Vekt:	250 g

\* Some technical specifications may differ for other voltage versions. / Visse tekniske data kan variere for de forskjellige spenningsversjoner.

\*\* The timer is also available with other values. / Timer leveres også med andre tider.

#### Voltage versions 9940 - Spenningsversjoner 9940

Version Versjon (V)	Input Inngang (VAC)	Output (VDC) / Utgang (VDC)		Max. output power Maks. utg. effekt (W)	Current limit Strøm begrenser (A)	Rec. batt. capacity * Anbefalt batt. kap * (Ah)
		Timer	Float / Vedlikehold			
12	90-264	14,7±0,2	13,8±0,2	35	2,3A±0,3	9 - 60
24		29,5±0,2	27,6±0,3	40	1,3A±0,2	4,5 - 30
36**		44,1±0,2	41,4±0,3	40	0,9A±0,1	3 - 20

\* Rec.value may vary – contact batterymanuf. for details. / Anbefalt verdi kan variere – kontakt batteriproduzenten for detaljer.

\*\* Not UL approved / Ikke UL godkjent



## Exchangeable AC plug models

### Modeller med utskiftbare AC plugger

SMALL HOUSING		
Base model / Grunnmodell		w exch. AC plug
Type	Description / Beskrivelse	Type
2220	AC/DC PSU, max 16W	2221
2924	AC/DC PSU, max 16W	2926
3326	AC/DC PSU, max 28W	3326
2115	NiMH battery charger, max 1,3A	2116
2240	Lead Acid batt. charger, max 1,3A	2241
2240 LI	Li.Ion batt. charger, max 1,3A	2241 LI
2240 LiFePO <sub>4</sub>	LiFePO <sub>4</sub> batt. charger, max 1,3A	2241 LiFePO <sub>4</sub>
Additional housing weight (excl. plug/cord) + 15 g Tilleggsvekt (uten plugg/ledning) + 15 g		

MEDIUM HOUSING		
Base model / Grunnmodell		w exch. AC plug
Type	Description / Beskrivelse	Type
9921	AC/DC PSU, max 40W	9926
2720	AC/DC PSU, max 40W	2721
3020	AC/DC PSU, max 60W	3021
2541	Lead Acid batt. charger, max 2,2A	2542
9940	Lead Acid batt. charger, max 2,3A	9941
2215	LiMH battery charger, max 35W	2216
9940 LI	Li.Ion batt. charger, max 2,3A	9941 LI
2541 LI	Li.Ion batt. charger, max 2,7A	2542 LI
2541 LiFePO <sub>4</sub>	LiFePO <sub>4</sub> batt. charger, max 1,3A	2542 LiFePO <sub>4</sub>
Additional housing weight (excl. plug/cord) + 27 g Tilleggsvekt (uten plugg/ledning) + 27 g		



**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

