

# 9940 LI-9941 LI

Max. 2,3A

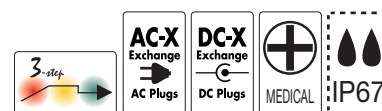
## Chargers for Li-Ion batteries



### 9941 LI - utskiftbare/exchangeable AC plugs



- 3-trinns ladekontroll med timer
- Switch mode lader med universal inngangsspenning (90-264 VAC)
- Opplading av 3-8 battericeller
- 2-pins IEC 320
- Tilfredsst. medisinsk std (EN 60601)
- UL godkjent (UL-2601-1)
- Nettledning ikke inkludert
- Kan leveres med festebrakett
- Utskiftbare DC plugger
- Tilpasninger leveres på forespørsel
- 3-step charge control with timer
- Switch mode charger with universal input voltage (90-264 VAC)
- Charges 3-8 battery cells
- 2-pin IEC 320
- Complies w. medical std (EN 60601)
- UL approved (UL-2601-1)
- Mains cord not included
- Mounting bracket available
- Exchangeable DC plugs
- Custom specifications on request

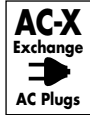


9941 LI

| <b>Tekniske data</b>                                       | <b>Technical specifications</b>                                                     |
|------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Inngangsspenning:                                          | Input voltage: 90 - 264 VAC                                                         |
| Frekvensområde:                                            | Line frequency: 47 - 63Hz                                                           |
| Maks. utgangseffekt:                                       | Max. Output power: 40 W                                                             |
| Svitsjefrekvens ca.                                        | Switch frequency, approx. 45 kHz                                                    |
| Strømtrekk fra batteri ved frakoblet nett:                 | Leakage current with mains disconnected: < 200 uA                                   |
| Temperaturområde:                                          | Temperature range: -10 - +40 °C                                                     |
| Rippel:                                                    | Ripple: < 100 mV p-p                                                                |
| Virkningsgrad (ved 100% last):                             | Efficiency (at 100%load): > 81%                                                     |
| Sikring:                                                   | Protection: Glassikring/ Mains fuse                                                 |
| Feil polaritet beskyttelse med automatisk resetbar sikring | Automatically resettable fuse protects charger against wrong polarity.              |
| Isolasjonsklasse:                                          | Insulation class: II                                                                |
| Elektrisk sikkerhet:                                       | Electrical safety: EN 60601-1, EN 60950<br>EN 60335-2-29, UL-2601-1                 |
| EMC standarder                                             | EMC standards.                                                                      |
| • Medisinsk:                                               | • Medical: EN 60601-1-2                                                             |
| • Emisjon:                                                 | • Emission: EN 61000-6-3                                                            |
| • Immunitet:                                               | • Immunity: EN 61000-6-1                                                            |
| Nettilkobling                                              | Mains connection 2 pins IEC 320 connector                                           |
| Indikasjon                                                 | Indication                                                                          |
| • Orange (konst. strøm, hurtig)                            | • Orange (constant current, boost)                                                  |
| • Gul (konst. spenning, timer)                             | • Yellow (constant voltage, timer)                                                  |
| • Grønn (ladestopp)                                        | • Green (charge termination)                                                        |
| Timer:                                                     | Timer: 4h ± 30%<br>(also available with other values)                               |
| Utgangsterminaler:                                         | Output terminals: Batt.klemmer, flatstift, DC plugg<br>batt.clips, push-on, DC conn |
| Mål (LxBxH):                                               | Dimensions (LxWxH): 107 x 67 x 36,5mm                                               |
| Vekt:                                                      | Weight: 250g                                                                        |

#### Versjoner - Versions

| Celler<br>Cells | Nom. Batterispenning<br>Nom. Battery voltage<br>(V) | Ladestart Vbat<<br>Charge start Vbat< | Ladespenning<br>Charge Voltage<br>(V) | Ladestrom<br>Charge Current<br>(A) |
|-----------------|-----------------------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|
| 3               | 10,8                                                | 12,0V±0,1-0,15V                       | 12,6                                  | 2,3                                |
| 4               | 14,4                                                | 16,0V±0,15V                           | 16,8                                  | 2                                  |
| 5               | 18,0                                                | 20,0V±0,2V                            | 21,0                                  | 1,3                                |
| 6               | 21,6                                                | 24,0V±0,3V                            | 25,2                                  | 1,3                                |
| 7               | 25,2                                                | 28,0V±0,3V                            | 29,4                                  | 1,3                                |
| 8               | 28,8                                                | 32,3V±0,3V                            | 33,6                                  | 1                                  |



# Exchangeable AC plug models

Modeller med utskiftbare AC plugger

Available as: – Tilgjengelig som:

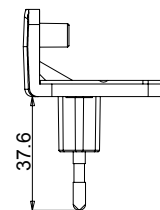
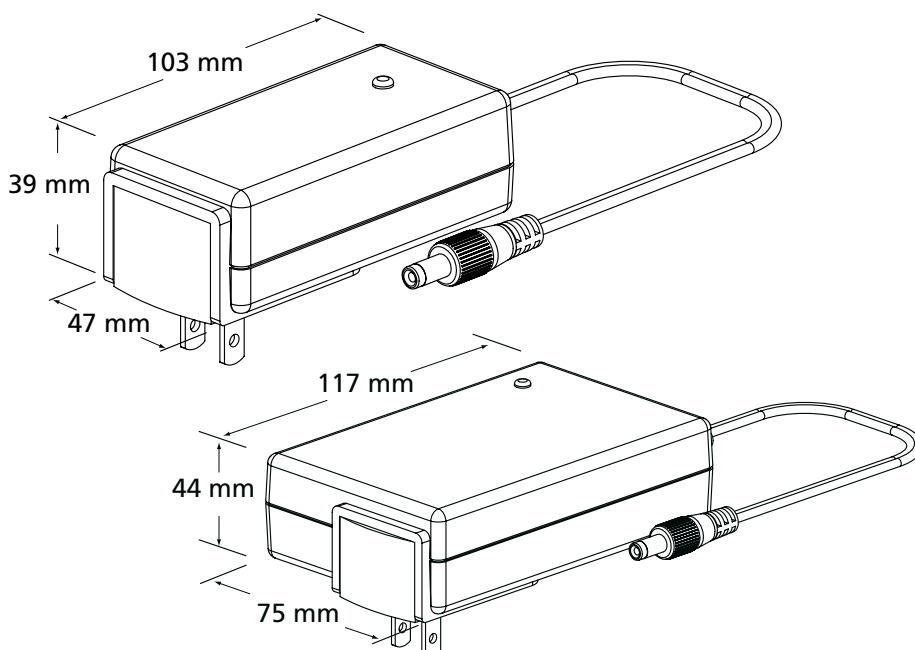
| Small housing / liten boks                                                                   |                                |                 |
|----------------------------------------------------------------------------------------------|--------------------------------|-----------------|
| Base model – Grunnmodell                                                                     |                                | W exch. AC plug |
| Type                                                                                         | Description – Beskrivelse      | Type            |
| 2121                                                                                         | AC/DC PSU, max 10W             | 2123            |
| 2124                                                                                         | AC/DC PSU, max 16W             | 2126            |
| 2115                                                                                         | NiMH battery charger, max 1,3A | 2116            |
| 2240                                                                                         | Lead Acid batt. chrg, max 1,3A | 2241            |
| 2240 LI                                                                                      | Li-Ion batt. chrg, max 1,3A    | 2241 LI         |
| Additional housing weight (excl. Plug/cord) +15 g<br>Tilleggsvekt (uten plugg/ledning) +15 g |                                |                 |

| Medium housing / medium boks                                                                 |                                |                 |
|----------------------------------------------------------------------------------------------|--------------------------------|-----------------|
| 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            |
| 2541                                                                                         | Lead Acid batt. chrg, max 2,2A | 2542            |
| 9940                                                                                         | Lead Acid batt. chrg, max 2,3A | 9941            |
| 2215                                                                                         | NiMH battery charger, max 35W  | 2216            |
| 9940 LI                                                                                      | Li-Ion batt. chrg, max 2,3A    | 9941 LI         |
| 2541 LI                                                                                      | Li-Ion batt. chrg, max 2,7A    | 2542 LI         |
| Additional housing weight (excl. Plug/cord) +27 g<br>Tilleggsvekt (uten plugg/ledning) +27 g |                                |                 |

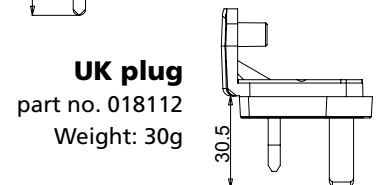
IEC 320 mains cord / nettleledning 1800mm EU part no. 131306,  
 UK part no. 131148, US part no. 131147, AU part no. 013108



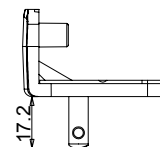
## EXCHANGEABLE AC PLUG ADAPTERS



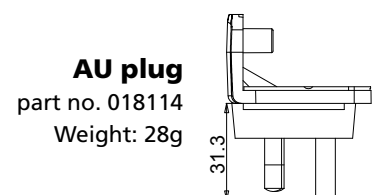
**EU plug**  
 part no. 018110  
 Weight: 21g



**UK plug**  
 part no. 018112  
 Weight: 30g



**US plug**  
 part no. 018111  
 Weight: 14g



**AU plug**  
 part no. 018114  
 Weight: 28g