

# 2541-2542 LiFePO<sub>4</sub> Max. 2,7A

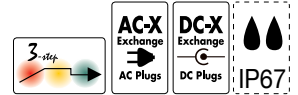


**tech spec**

## Chargers for LiFePO<sub>4</sub> batteries - switch mode

### 2542 LiFePO<sub>4</sub> - exchangeable / utskiftbare AC plugs

- 3-step charge control with current detection as charge termination
- Universal input voltage (90-264 VAC)
- 3-colored LED indicator
- Order mains cord separately
- Custom specifications on request
- Approvals:
  - Medically certified (IEC/EN/UL 60601-1)
  - For updates: see [www.mascot.no](http://www.mascot.no)
- 3-trinns ladekontroll med strøm-deteksjon som ladestopp
- Universal inngangsspenning (90-264 VAC)
- 3-farget lysdiodeindikator
- Nettledning best. separat
- Tilpasninger leveres på forespørsel
- Godkjenninger:
  - Medisinsk sertifisert (IEC/EN/UL 60601-1)
  - For oppdat.: se [www.mascot.no](http://www.mascot.no)



2542 LI 2541

#### Technical specifications

#### Tekniske data

Input voltage:	Inngangsspenning:	90-264 VAC
Line Frequency:	Frekvensområde:	47 – 63Hz
Switch frequency, approx.:	Svitsjefrekvens ca.:	40 kHz
Leakage current from battery with mains switched off:	Strømtrekk fra batteri ved frakoblet nett:	<250µA
Temperature range	Temperaturområde	
• operating:	• drift:	-20 °C - +40 °C
• storage:	• lagring:	-25 °C - +85 °C
Ripple:	Rippel:	< 100 mV p-p
Protection:	Sikring:	Protected against reversed polarity and short circuit proof Polvendings- og kortslutningssikker
Insulation class:	Isolasjonsklasse:	II
Insulation voltage:	Isolasjonsspenning:	
Primary – secondary:	Primær - sekundær:	4000VAC / 5700VDC
Electrical safety:	Elektrisk sikkerhet:	IEC/EN/UL 60601-1, EN 60950-1, EN 60335-2-29
EMC standards	EMC standarder	
• Medical:	• Medisinsk:	EN 60601-1-2
• Emission:	• Emisjon:	EN 61000-6-3
• Immunity:	• Immunitet:	EN 61000-6-1
Input terminal:	Inngangsterminal:	2-pin IEC 320 connector
Output terminals:	Utgangsterminaler:	Cord w/wout plug / Sek.ledn. m/u plugg
IP-code:	IP-grad:	41
Dimensions (LxWxH):	Mål (LxBxH):	107 × 67 × 36,5mm (2541)
Weight:	Vekt:	250g

Versions / Versjoner			Charge control / Ladekontroll				
			Step 1 (orange)	Step 2a (orange)	Step 2b (yellow / gul)	Step 3 (green / grønn)	
Cells	Max output power (W)	Efficiency (100% at 230V)	Charge current	Charge voltage	To yellow when current is:	Charge termin. when current is:	Float charge
Celler	Maks. utg. effekt	Virkningsgrad	Ladestrøm	Ladespenning	Til gul når strøm er:	Ladestopp når strøm er:	Vedlikeholdsloading
1	10	63 %	2,7A ±0,1A	3,65V ±0,05V	< 1,15A ±0,1A	< 100mA +-25%	3,5V±0,1V
2	20	78 %	2,7A ±0,1A	7,3V ±0,1V	< 1,15A ±0,1A		7,0V±0,1V
3	25	83 %	2,3A ±0,1A	10,95V ±0,1V	< 1,00A ±0,1A		10,5V±0,1V
4	29	84 %	2,0A ±0,1A	14,6V ±0,1V	< 0,85A ±0,1A		14,0V±0,1V
5	29	85 %	1,6A ±0,1A	18,25V ±0,1V	< 0,70A ±0,1A		17,5V±0,1V
8	35	85 %	1,2A ±0,1A	29,2V ±0,1V	< 0,40A ±0,1A		28,0V±0,1V