2541-2542 LiFePO$_4$ Max. 2,7A

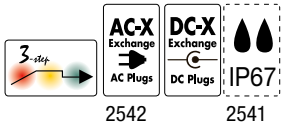
Chargers for LiFePO$_4$ batteries - switch mode

2542 LiFePO4 - exchageable / utskiftbare AC plugs

HY-LINE® mascot tech spec

- 3-step charge control with current detection as charge termination
- Universal input voltage (90-264 VAC)
- 3 coloured LED indicator
- Order mains cord separately
- Custom specifications on request:
- Approvals:
  - Medically certified EN 60601-1 3ed
  - UL approved
  - For updates: see www.mascot.no

- 3-trinns ladekontroll med strømdeteksjon som ladestopp
- Universal inngangsspenning (90-264 VAC)
- 3-farget lysdiodeindikator
- Nettledning best. separat
- Tilpasninger lev. på forespørsel:
- Godkjenninger:
  - Medisinsk sertifisert EN 60601-1 3ed
  - UL godkjent
  - For oppdat.: se www.mascot.no



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:	<250
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 standard:	Elektrisk sikkerhetsstandard:	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/w.out plug / Sek.ledn. m/u plugg
IP-code:	IP-grad:	41
Dimensions (L×W×H):	Mål (L×B×H):	107 × 67 × 35,5mm (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:	To float charge when current is <	Float charge voltage
Celler	Maks. utg. effekt	Virkningsgrad	Ladestrøm	Ladespenning	Til gul når strøm er:	Til vedlikehold når strøm er <	Vedlikeholds spenning
1	10	63 %	2.7A ±0.1A	3.65V ±0.05V	< 1.15A ±0.1A	100mA ±25%	3.5V±0.05V
4	29	84 %	2.0A ±0.1A	14.6V ±0.1V	< 0.85A ±0.1A		14.0V±0.1V
8	35	85%	1.0A ±0.1A	29.2V ±0.1V	< 0.40A ±0.1A		28.0V ±0.1V

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