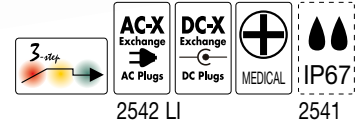


Chargers for Li-Ion batteries - switch mode

tech spec

2542 LI - 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 EN 60601-1 3ed
 - UL approved
 - For updates: see www.mascot.no
- 3-trinns ladekontroll med strømdeleksjon som ladestopp
- Universal inngangsspenning (90-264 VAC)
- 3-farget lysdiodeindikator
- Nettledning best. separat
- Tilpasninger leveres på forespørsel
- Godkjenninger:
 - Medisinsk sertifisert EN 60601-1 3ed
 - UL godkjent
 - For oppdat.: se 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 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/wout plug / Sek.ledn. m/u plugg
IP-code:	IP-grad:	41
Dimensions (LxWxH):	Mål (LxBxH):	107 × 67 × 36,5mm (2541 LI)
Weight:	Vekt:	250g

Versions / Versjoner			Charge control / Ladekontroll					Charge start Vbat<	
			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:			
Celler	Maks. utg. effekt	Virkningsgrad	Ladestrøm	Ladespenning	Til gul når strøm er:	Ladestopp når strøm er:	Ladestart Vbat<		
1	12	63 %	2,7A ±0,1A	4,2V ±0,05V	< 1,15A ±0,1A	< 100mA +-25%	4,0V±0,1V	Or mains turned on Eller nettpåslag	
2	23	78 %	2,7A ±0,1A	8,4V ±0,1V	< 1,15A ±0,1A		8,0V±0,1V		
3	29	83 %	2,3A ±0,1A	12,6V ±0,1V	< 1,00A ±0,1A		12,1V±0,1V		
4	34	84 %	2,0A ±0,1A	16,8V ±0,1V	< 0,85A ±0,1A		16,2V±0,1V		
5	34	85 %	1,6A ±0,1A	21V ±0,1V	< 0,70A ±0,1A		20,3V±0,1V		
6	35	87 %	1,4A ±0,1A	25,2V ±0,1V	< 0,60A ±0,1A		24,4V±0,1V		
7	35	87 %	1,2A ±0,1A	29,4V ±0,1V	< 0,50A ±0,1A		28,5V±0,1V		
8	34	85 %	1,0A ±0,1A	33,6V ±0,1V	< 0,40A ±0,1A		32,6V±0,1V		
10	35	85 %	0,8A ±0,1A	42,0V ±0,2V	< 0,35A ±0,1A		40,7V±0,4V		
14	35	85 %	0,6A ±0,1A	58,8V ±0,3V	< 0,25A ±0,05A		57,1V±0,5V		



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 ₄	LiFePO ₄ batt. charger, max 1,3A	2241 LiFePO ₄
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 ₄	LiFePO ₄ batt. charger, max 1,3A	2542 LiFePO ₄
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

