

2840-3240 LI Max. 8,5A

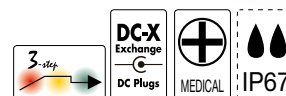
Charger for Li-Ion batteries

3240LI: Autodetect 115/230 VAC



- 3-step charge control with current detection as charge termination
- Charging 1-16 Li-Ion battery cells
- Medical certificate (EN 60601) pending
- Mains cord not included
- Waterproof (IP67) version available - with NTC input on request
- Custom specifications on request
- Approvals:
 - Medically certified EN 60601-1 3ed
 - UL approved
 - For updates: see www.mascot.no

- 3-trinns ladekontroll med strøm-deteksjon som ladestopp
- Opplading av 1-16 Li-Ion battericeller
- Medisinsk sertifisering (EN 60601) påventes
- Nettledning ikke inkludert
- Vanntett (IP67) versjon kan leveres - med NTC input på forespørsel
- Tilpasninger leveres på forespørsel
- Godkjenninger:
 - Medisinsk sertifisert 60601-1 3ed
 - UL godkjent
 - For oppdat.: se www.mascot.no



Technical Specifications

Tekniske data

Input voltage:	Inngangsspenning:	Autodetect 115/230V (2840Li: 198-264 VAC)
Line Frequency:	Frekvensområde:	47 – 63Hz
Switch frequency, approx.:	Svitsjefrekvens ca.:	65kHz
Leakage current from battery with mains switched off:	Strømtrekk fra batteri ved frakoblet nett:	<1mA
Temperature range <ul style="list-style-type: none">• operating:• storage:	Temperaturområde <ul style="list-style-type: none">• drift:• lagring:	<ul style="list-style-type: none">-25 °C - +40 °C-25 °C - +85 °C
Ripple:	Rippel:	< 100 mV p-p
Efficiency (at 100% load, 230V):	Virkningsgrad (100% last, 230V):	> 89% (3c-16c)
Protection:	Sikring:	Protected against reversed polarity and short circuit proof Polvendings- og kortslutningssikker
Insulation class:	Isolasjonsklasse:	II (I available on request)
Insulation voltage	Isolasjonsspenning	
Primary – secondary:	Primær - sekundær:	4000VAC / 5700VDC
Electrical safety:	Elektrisk sikkerhet:	EN 60601-1, EN 60335-2-29
EMC standards <ul style="list-style-type: none">• Medical:• Emission:• Immunity:	EMC standarder <ul style="list-style-type: none">• Medisinsk:• Emisjon:• Immunitet:	<ul style="list-style-type: none">EN 60601-1-2EN 61000-6-3EN 61000-6-1
Input terminal:	Inngangsterminal:	2-pin IEC 310 connector. 3-pin IEC 320 connector or fixed mains cord available on request
Output terminals:	Utgangsterminaler:	Open ends or DC connector. Ledning u. plugg eller DC plugg
IP-code:	IP-Grad:	41
Dimensions (LxWxH):	Mål (LxBxH):	135 x 80 x 44mm
Weight:	Vekt:	480g (980g IP67 version)

Voltage versions – see next page
Spenningsversjoner – se neste side

Charge control - Ladekontroll								
			Step 1 (orange)	Step 2a (orange)	Step 2b (gul/yellow)	Step 3 (grønn/green)		
Cells	Max output power (W)	Efficiency (100% at 230V)	Charge Current	Charge Voltage	To yellow when current is:	Charge Termin. when current is:	Charge start Vbat<	
Celler	Max utg. effekt	Virkningsgrad	Ladestrøm	Ladespenning	Til Gul når strøm er:	Ladestopp når strøm er:	Ladestart Vbat<	
1 Cell	36W	>85%	8.5A +0.1/-0.75A	4.2V ±0.05V	3.8A ±0.2A	300mA ±30%	4.1V -0.15/+0.05V	Or mains turned on/ Eller nettpåslag
2 Cells	67W	>87%	8.0A +0.3/-0.5A	8.4V ±0.1V	3.5A ±0.2A		8.2V ±0.1V	
3 Cells	88W	>89%	7.0A +0.3/-0.4A	12.6V ±0.1V	3.1A ±0.2A		12.3V ±0.1V	
4 Cells	101W	>89%	6.0A +0.1/-0.5A	16.8V ±0.1V	2.7A ±0.2A		16.4V ±0.1V	
5 Cells	95W	>89%	4.5A +0.3/-0.3A	21.0V ±0.2V	1.9A ±0.2A		20.5V ±0.2V	
6 Cells	98W	>89%	3.9A+0.2/-0.3A	25.2V ±0.2V	1.7A ±0.2A		24.6V ±0.2V	
7 Cells	103W	>89%	3.5A +0/-0.4A	29.4V ±0.2V	1.6A ±0.2A		28.7V ±0.2V	
8 Cells	101W	>89%	3.0A +0.05/-0.3A	33.6V ±0.2V	1.4A ±0.2A		32.8V ±0.2V	
9 Cells	102W	>89%	2.7A +0/-0.3A	37.8V ±0.2V	1.3A ±0.2A		36.9V ±0.4V	
10 cells	101W	>89%	2.4A +0.05/-0.3A	42.0V ±0.2V	1.2A ±0.2A		41.0V ±0.4V	
11 cells	102W	>89%	2.2A +0/-0.3A	46.2V ±0.2V	0.90A ±0.2A		45.1V ±0.4V	
12 cells	101W	>89%	2.0A +0/-0.3A	50.4V ±0.3V	0.90A ±0.2A		49.2V ±0.4V	
13 cells	98W	>89%	1.8A +0.05/-0.3A	54.6V ±0.3V	0.80A ±0.2A		53.3V ±0.4V	
14 cells	100W	>89%	1,7A +0.05/-0.3A	58.8V ±0.3V	0.70A ±0.2A		57,4V ±0.4V	
15 cells	101W	>89%	1.6A +0/-0.3A	63.0V ±0.3V	0.60A ±0.2A		61,5V ±0.4V	
16 cells	101W	>89%	1.5A +0/-0.3A	67.2V ±0.3V	0.60A ±0.2A		65.6V ±0.4V	