

2040LI-2041LI-2042LI Max. 4 A



tech spec



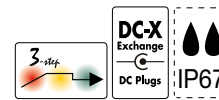
Chargers for Li-Ion batteries - switch mode

2040LI - 3-pin IEC 320

2041LI - 2-pin IEC 320

2042LI - fixed mains cord / fast netledning

- 3-step charge control with timer
- Universal input voltage (90-264 VAC)
- Charges 3-14 battery cells
- Order mains cord separately
- Custom specifications on request
- Approvals:
 - Complies w. medical std EN 60601
 - Complies w. UL std. (UL-60601-1)
 - For updates: see www.mascot.no
- 3-trinns ladekontroll med timer
- Universal inngangsspenning (90-264 VAC)
- Opplading av 3-14 battericeller
- Netledning best. separat
- Tilpasninger leveres på forespørsel
- Godkjenninger:
 - Tilfredsst. medisinsk std EN 60601
 - Tilfredsst. UL std. (UL-60601-1)
 - For oppdat.: se www.mascot.no



2042

Technical specifications

Tekniske data

Input voltage:	Inngangsspenning:	90 - 264 VAC
Line frequency:	Frekvensområde:	47 - 63Hz
Max. output power:	Maks. utgangseffekt:	60 W
Switch frequency, approx.	Svitsjefrekvens ca.	40 kHz
Leakage current with mains disconn.:	Strømtrekk fra batt. ved frakob. nett:	< 200 uA (10-14C:<500 uA)
Temperature range:	Temperaturområde:	-10 - +40 °C
Ripple:	Rippel:	< 100 mV p-p (10-14C:<200mV)
Efficiency (at 100%load):	Virkningsgrad (ved 100% last):	> 81 %
Protection:	Sikring:	Mains fuse / Glassikring
Automatically resettable fuse protects charger against wrong polarity	Feil polaritet beskyttelse med automatisk resetbar sikring	
Insulation class:	Isolasjonsklasse:	I (2040LI) - II (2041LI,2042LI)
Electrical safety:	Elektrisk sikkerhet:	EN 60601-1, EN 60950 EN 60335-2-29, UL-60601-1
EMC standards	EMC standarder	
• Medical:	• Medisinsk:	EN 60601-1-2
• Emission:	• Emisjon:	EN 61000-6-3
• Immunity:	• Immunitet:	EN 61000-6-1
Mains connection:	Nettilkobling:	3-pin IEC 320 conn. (2-pin on req.)
Indication	Indikasjon	
• Orange (const. current, boost)	• Orange (konst. strøm, hurtig)	
• Yellow (const. voltage, timer)	• Gul (konst. spenning, timer)	
• Green (charge termination)	• Grønn (ladestopp)	
Timer:	Timer:	4h ± 30% (also available with other values)
Output terminals:	Utgangsterminaler:	Batt. clips, push-on, DC conn. batt. klemmer, flatstift, DC plugg
Dimensions (LxWxH):	Mål (LxBxH):	135 x 80 x 44mm
Weight:	Vekt:	350g (850g IP67 vers.)

Versions - Versjoner

Cells / Celler	Nom. batt. volt. / Nom. batt. spenn.	Charge start Vbat< / Ladestart Vbat<	Charge volt. / Ladespen. (V)	Charge current / Ladestrom (A)
2*	7,2	8,0V±0,1V	8,4	4
3	10,8	12,0V±0,1-0,15V	12,6	4
4	14,4	16,0V±0,15V	16,8	3,5
5	18,0	20,0V±0,2V	21,0	2
6	21,6	24,3V±0,3V	25,2	2
7	25,2	28,4V±0,3V	29,4	2
8	28,8	32,3V±0,3V	33,6	1,7
10	36	40,7V±0,4V	42	1,4
11	39,6	44,8±0,4V	46,2	1,3
12	43,2	48,9V±0,4V	50,4	1,2
13	46,8	53V±0,4V	54,6	1,1
14	50,4	57,1V±0,4V	58,8	1

* Model 2440LI - see www.mascot.no for details

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