

# 2040-2041-2042 LiFePO<sub>4</sub> Max. 4 A



**tech spec**

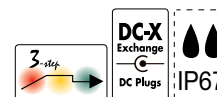
## Chargers for LiFePO<sub>4</sub> batteries - switch mode

2040LiFePO<sub>4</sub> - 3-pin IEC 320

2041LiFePO<sub>4</sub> - 2-pin IEC 320

2042LiFePO<sub>4</sub> - fixed mains cord / fast nettleledning

- 3-step charge control with timer
- Universal input voltage (90-264 VAC)
- Charges 2-15 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 2-15 battericeller
- Nettledning 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
<b>EMC standards</b>	<b>EMC standarder</b>	
• Medical:	• Medisinsk:	EN 60601-1-2
• Emission:	• Emisjon:	EN 61000-6-3
• Immunity:	• Immunitet:	EN 61000-6-1
<b>Indication</b>	<b>Indikasjon</b>	
• 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 current / Ladestrøm (A)	Charge volt. / Ladespenn. (V)	Float charge / Vedlikeholdslading	
2*	6,4V	4	7,3	6,9V±0,1V	Or mains turned on / Eller nettpåslag
3	9,6V	4	10,95	10,35V±0,1-0,15V	
4	12,8V	4	14,45	13,65V±0,15V	
5	16,0V	2	18,25	17,25V±0,2V	
6	19,2V	2	21,9	21,0V±0,3V	
7	22,4V	2	25,55	24,55V±0,3V	
8	25,6V	2	29,2	27,9V±0,3V	
15	48,0V	1,1	54,75	53,15V±0,4V	

\* Model 2440LiFePO<sub>4</sub>

www.mascot.com

sales@mascot.no

TS311012

Main Office NORWAY  
Box 177  
N-1601 Fredrikstad  
+ 47 69 36 43 00

Mascot UK  
Bok 2090, Salisbury  
Wiltshire SP2 2BH  
+44 172 250 4853

Mascot DE, BENELUX  
Hirschbergstr. 28/7  
D-74838 Limbach  
+49 628 795 140

Mascot DE, CH, AT  
Tettthanger Str. 52  
D-88239 Wangen  
+49 752 895 1677

Mascot FRANCE  
38 rue Leo Lagrange  
F-94270 Le Kremlin Bicêtre  
+33 146 587 185

Mascot BALTIC, RUSSIA  
Taevakivi 15  
13619 Tallinn, Estonia  
+372 555 21 121

Mascot SWEDEN  
Box 177  
N-1601 Fredrikstad  
+46 526 14025