

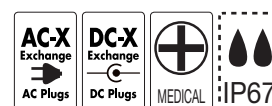
2240 LI-2241 LI

Max. 1.3 A

Chargers for Li-Ion batteries

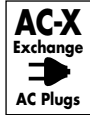
2241 LI - utskiftbare/exchangeable AC plugs

- 3-trinns ladekontroll med strømdeleksjon som ladestopp
- Switch mode lader med universal inngangsspenning (90-264 VAC)
- Opplading av 1-7 battericeller
- Medisinsk sertifisert (EN 60601)
- 2-pinns IEC 320
- Kan leveres med festbrakett
- Nettledning ikke inkludert
- Vanntett (IP67) versjon kan leveres
- Utskiftbare AC og DC plugger
- 3-step charge control with current detection as charge termination
- Switch mode charger with universal input voltage (90-264 VAC)
- Charging 1-7 battery cells
- Medically certified (EN 60601)
- 2-pin IEC 320
- Mounting bracket available
- Mains cord not included
- Waterproof (IP67) version available
- Exchangeable AC and DC plugs



Tekniske data	Technical specifications	
Inngangsspenning	Input voltage	90-264 VAC
Frekvensområde	Line Frequency	47 – 63Hz
Svitsjefrekvens ca.	Switch frequency, approx.	40kHz
Strømtrekk fra batteri ved frakoblet nett:	Leakage current from battery with mains switched off:	≈ 0
Temperaturområde	Temperature range	
• drift	• operating	-25 °C - +40 °C
• lagring	• storage	-25 °C - +85 °C
Rippel	Ripple	< 100 mV p-p
Beskyttelse	Protection	Polvendings- og kortslutningssikker Protected against reversed polarity and short circuit proof
		II
Isolasjonsklasse	Insulation class	
Isolasjonsspenning	Insulation voltage	
Primær - sekundær:	Primary – secondary:	4000VAC / 5640VDC
Elektrisk sikkerhet	Electrical safety	EN 60601-1 , EN 60950, EN 60335-2-29, UL 2601-1
EMC standarder	EMC standards	
• Medisinsk	• Medical	EN 60601-1-2
• Emisjon	• Emission	EN 61000-6-3
• Immunitet	• Immunity	EN 61000-6-1
Pålitelighet (MIL-HDBK-217F):	Reliability (MIL-HDBK-217F):	MTBF > 250.000h at 30°C and full load
Utgangsterminaler:	Output terminals:	Sekundærledning med / uten plugg. Cord with/without plug.
IP-Grad:	IP-code:	4X
Mål (LxBxH)	Dimensions (LxWxH)	90 x 45 x 32mm
Vekt	Weight	115g (215g IP67 vers.)

Versjoner - versions			Ladekontroll - charge control				
			Step 1	Step 2	Step 3		
Celler	Max utg. effekt	Virkningsgrad	Ladestrøm	Ladespenning	Ladestopp I<	Ladestart Vbat<	
	Max output power (W)	Efficiency 100% at 230V)	Charge Current (orange)	Charge Voltage (orange)	Charge Termination I< (grønn - green)	Charge start Vbat<	
Cells							
1	5,5	58 %	1,3A +5/-7%	4,2V +-0,05V	100mA +-25%	4,05V+0,05-0,15V	Eller nettpåslag Or mains turned on
2	10,9	72 %	1,3A +5/-7%	8,4V +-0,1V		8,1V+0,1-0,15V	
3	15,1	77 %	1,2A +5/-7%	12,6V +-0,1V		12,3V+0,1-0,15V	
4	15,1	80 %	0,9A +5/-7%	16,8V +-0,1V		16,4V+0,1-0,15V	
5	14,7	82 %	0,7A +5/-7%	21,0V +-0,1V		20,5V+0,1-0,15V	
6	15,1	82 %	0,6A +5/-7%	25,2V +-0,1V		24,6V+0,1-0,15V	
7	16,4	82 %	0,56A +5/-7%	29,4V +-0,1V		28,7V+0,1-0,15V	



Exchangeable AC plug models

Modeller med utskiftbare AC plugger

Available as: – Tilgjengelig som:

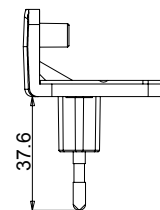
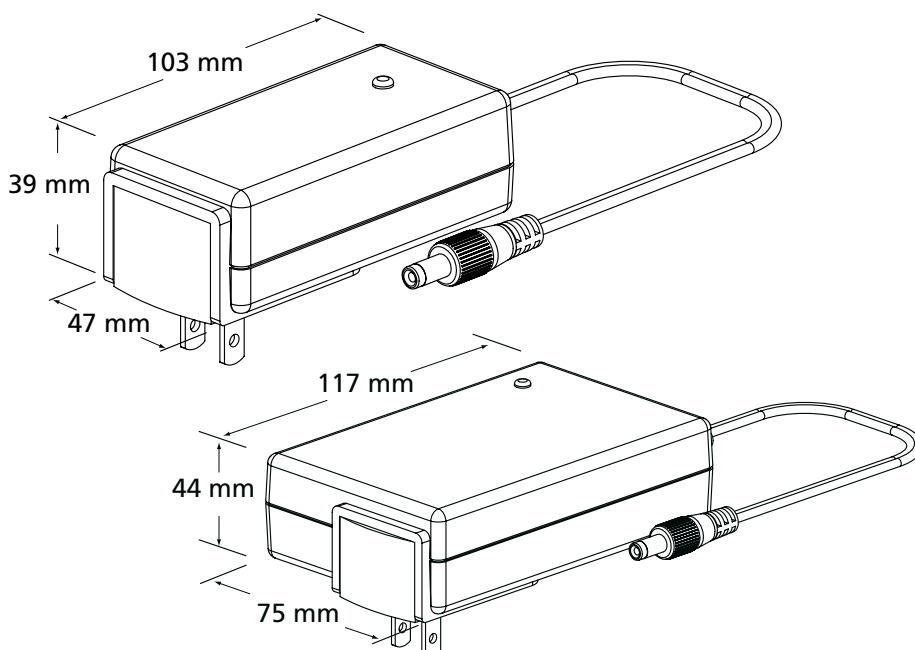
Small housing / liten boks		
Base model – Grunnmodell		W exch. AC plug
Type	Description – Beskrivelse	Type
2121	AC/DC PSU, max 10W	2123
2124	AC/DC PSU, max 16W	2126
2115	NiMH battery charger, max 1,3A	2116
2240	Lead Acid batt. chrg, max 1,3A	2241
2240 LI	Li-Ion batt. chrg, max 1,3A	2241 LI
Additional housing weight (excl. Plug/cord) +15 g Tilleggsvekt (uten plugg/ledning) +15 g		

Medium housing / medium boks		
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
2541	Lead Acid batt. chrg, max 2,2A	2542
9940	Lead Acid batt. chrg, max 2,3A	9941
2215	NiMH battery charger, max 35W	2216
9940 LI	Li-Ion batt. chrg, max 2,3A	9941 LI
2541 LI	Li-Ion batt. chrg, max 2,7A	2542 LI
Additional housing weight (excl. Plug/cord) +27 g Tilleggsvekt (uten plugg/ledning) +27 g		

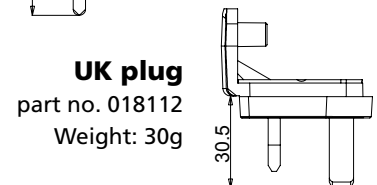
IEC 320 mains cord / nettleledning 1800mm EU part no. 131306,
 UK part no. 131148, US part no. 131147, AU part no. 013108



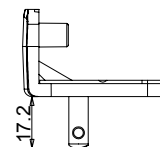
EXCHANGEABLE AC PLUG ADAPTERS



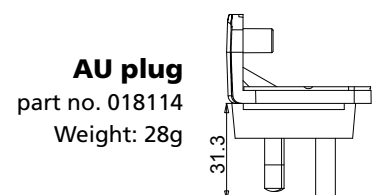
EU plug
 part no. 018110
 Weight: 21g



UK plug
 part no. 018112
 Weight: 30g



US plug
 part no. 018111
 Weight: 14g



AU plug
 part no. 018114
 Weight: 28g