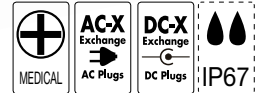


AC/DC power supplies - switch mode

2220 - 2-pin IEC 320

2221 - with exch. / utskiftbare AC plugs

- Universal input voltage (90-264 VAC)
- Fixed output voltages
- 2-pin IEC 320 connector
- Order mains cord separately
- Mounting bracket available
- Exchangeable AC and DC plugs
- Waterproof (IP67) version available
- Approvals:
 - Medically certified EN 60601-1 3ed
 - UL approved
 - For updates: see www.mascot.no
- Universal inngangsspenning (90-264 VAC)
- Faste utgangsspenninger
- 2-pin IEC 320 nettkontakt
- Nettledning best. separat
- Festebrakett som tilbehør
- Utskiftbare AC og DC plugger
- Vanntett (IP67) versjon kan leveres
- Godkjenninger:
 - Medisinsk sertifisert 60601-1 3ed
 - UL godkjent
 - For oppdat.: se www.mascot.no


Technical specifications
Tekniske data
12 V*

Input voltage:	Inngangsspenning:	90-264 VAC
Line frequency:	Frekvensområde:	47 - 63Hz
Min. output current:	Min laststrøm:	0A
Load regulation:	Lastregulering:	<1%
Mains regulation:	Linjeregulering:	<0,5%
Ripple:	Rippel:	< 100mV p-p
Efficiency (100% load):	Virkningsgrad (100% last):	> 81%
Switch frequency approx.:	Switchefrekvens ca.:	40 kHz
Hold up time:	Hold up time:	> 20ms
Temperature range:	Temperaturområde:	
• Operating:	• Drift:	-25 °C - +40 °C
• With derating:	• Med derating:	+60 °C
• Storage:	• Lagring:	-25 °C - +85 °C
Derating:	Derating:	0.38W/ °C over 40 °C
Safety:	Sikkerhet:	EN 60950-1, EN 60601-1, EN 60601-1-11
Insulation class:	Isolasjonsklasse:	Class II
Insulation voltage	Isolasjonsspenning	
• Primary - secondary:	• Primær - sekundær:	4000VAC / 5700VDC
EMC standards	EMC standarder	
• Medical:	• Medisinsk:	EN 60601-1-2
• Emission:	• Emisjon:	EN 61000-6-3
• Immunity:	• Immunitet:	EN 61000-6-1
Reliability (MIL-HDBK-217F):	Pålitelighet (MIL-HDBK-217F):	MTBF > 250.000hrs at 30°C and full load
Input terminal:	Inngangsterminal:	2-pin IEC 320
Output terminals:	Utgangsterminal:	Cable with / without plug Sekundærled. m/u. plugg
Dimensions(LxWxH):	Ytre mål (LxBxH):	90 x 45 x 32mm
Weight:	Vekt:	2220: 115 g (215 g IP 67) / 2221: 140 g

* Some technical specifications may differ for other models and voltage versions. / Visse tekniske data kan variere for de forskjellige modeller og spenningsversjoner.

Voltage versions - Spenningsversjoner

Output (V) Utgangsspenning	Max. Current (A) Maks. strøm	Max. output power (W) Maks. utgangseffekt	On request: Output (V)	On request: Max. current (A)
6	1,3	9,5	4-8	1.3
12	1,3	15,6	8-15	1.3-1.05
16	1	16	12-20	1.3-0.8
24	0,67	16	20-28	0.8-0.58
36	0,44	16	28-40	0.58-0.41
48	0,33	16	40-52	0.41-0.31
60	0,27	16	52-64	0.31-0.25



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

