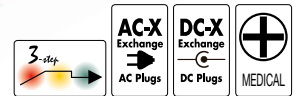


- 3-step charge control with current detection
- Universal input voltage (90-264 VAC)
- Wake up and low current start-up of deeply discharged batteries
- Error indication for reverse polarity, short circuit, charging of lower voltage batteries and safety timer run-out
- DoE (US) compliant
- Temp. compensated charge voltage on request
- Approvals:
 - Medically certified EN 60601-1 ed. 3.1
 - UL Approved

For updates: see www.mascot.no

- 3-trinns ladekontroll med strømdeksjon
- Universal inngangsspenning (90-264 VAC)
- Vekking og lavstrømpoppstart av dypt utladede batterier.
- Feilindikasjon for polvendning, kortslutning, lading av batterer med lavere volt og utløp av sikkerhetstimer
- Møter DoE (US) kravene
- Temp. kompensert ladespenning på forespørsel
- Godkjenninger:
 - Medisinsk sertifisert 60601-1 ed. 3.1
 - UL godkjent

For oppdat.: se www.mascot.no



Technical specifications

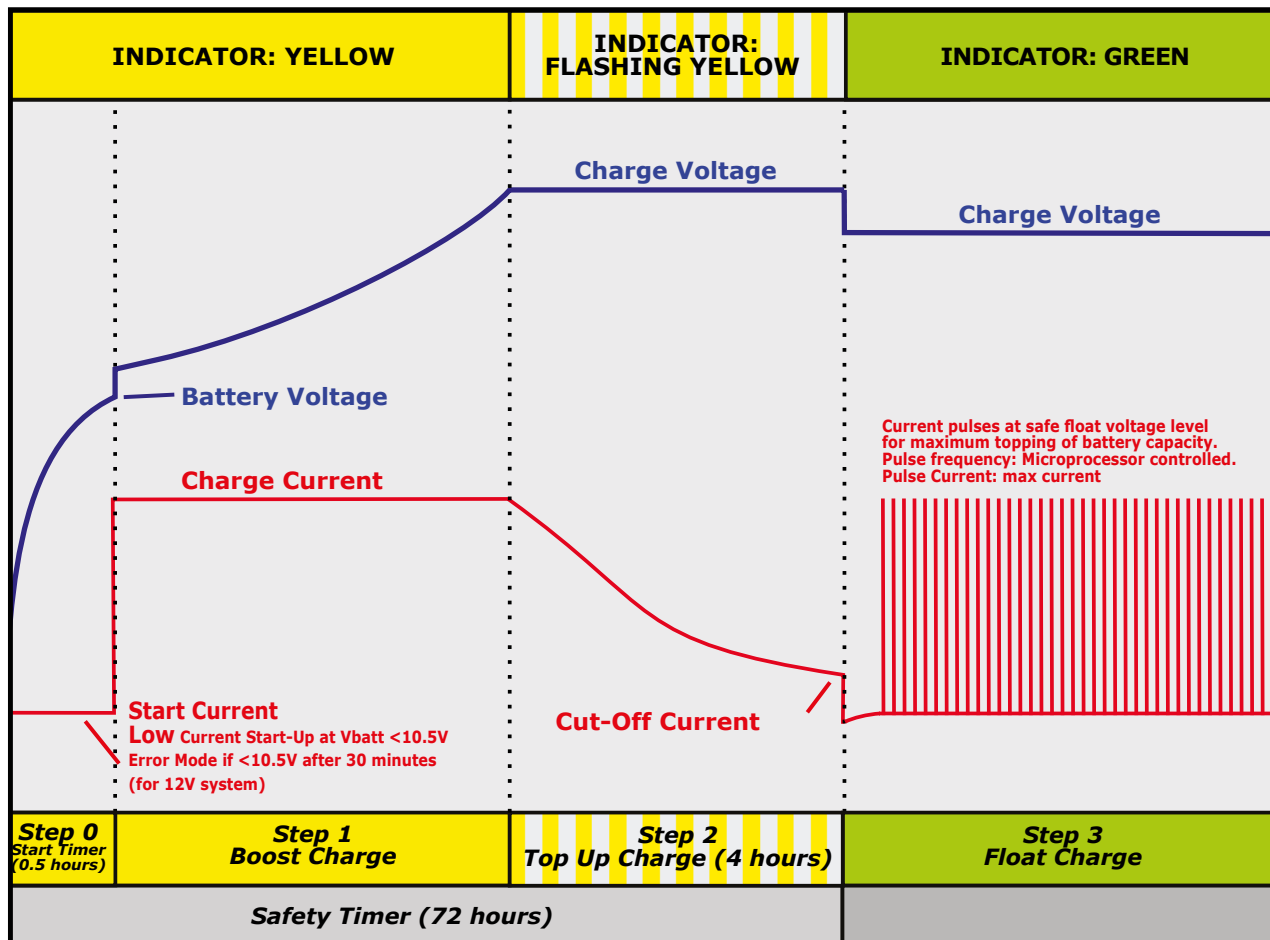
Tekniske data

Input voltage:	Inngangsspenning:	90-264 VAC
Line Frequency:	Frekvensområde:	47 – 63Hz
Switch frequency, approx.:	Svitsjefrekvens ca.:	40 kHz
Leakage current from battery with mains switched off:	Strømtrekk fra batteri ved frakoblet nett:	<0.3mA @ nominal battery voltage
Temperature range	Temperaturområde	
• Operating:	• Drift:	-25 °C - +40 °C
• Storage:	• Lagring:	-25 °C - +85 °C
Ripple:	Rippel:	< 100 mV p-p
Protection:	Sikring:	Protected against reversed polarity and short circuit proof Polvendings- og kortslutningssikker
Insulation class:	Isolasjonsklasse:	Class II
Insulation voltage	Isolasjonsspenning	
• Primary – secondary:	• Primær - sekundær:	4000VAC / 5700VDC
Electrical safety standard:	Elektrisk sikkerhetsstandard:	EN/IEC 60335-2-29, EN/IEC/ANSI 60601-1 ed. 3.1
EMC standards	EMC standarder	
• Medical	• Medisinsk	EN 60601-1-2
• Emission	• Emisjon	EN 55014-1, EN 61000-6-3
• Immunity	• Immunitet	EN 55014-2, EN 61000-6-1
Input terminal:	Inngangsterminal:	2-pin IEC 60320 connector C8
Output terminals:	Utgangsterminaler:	DC connector, battery clips, push on terminals or open ends
IP-code:	IP-grad:	4X
Dimensions (LxWxH):	Mål (LxBxH):	124 x 50 x 37 mm
Weight:	Vekt:	220g

Voltage versions – see next page
Spenningsversjoner – se neste side

Charge control - Ladekontroll (LED indication)

	Step / Trinn 0 < 30 min	Step / Trinn 0 > 30 min	Step / Trinn 1	Step / Trinn 2	Step / Trinn 3	Float charge
	(Yellow/Gul)	(Red=error / Rød=feil)	(Yellow / Gul)	(Blink Gul/Flash Yellow)	(Green / Grønn)	Vedl. lading
12V	100mA ± 0.25mA (batt volt < 10.5V)	0A/0V	2A ± 0.1A (batt volt > 10.5V) (til Vbat = 14.7V)	14.7V ± 0.2V (until I charge < 0.5A or > 4hr) tapering charge current	13.7V ± 0.2V (until I charge > 2.0A) supply current up to max. 2.0A for possible parallel load	Pulsing current at safe float volt. level for max topp. of batt.
24V	100mA ± 0.25mA (batt volt < 21V)	0A/0V	1A ± 0.1A (batt volt < 21V) (until Vbat = 29.4V)	29.4V ± 0.2V (until I charge < 0.25A or > 4hr) tapering charge current	27.4V ± 0.2V (until I charge > 1A) supply current up to max 1A for possible parallel load	

Charging characteristics and LED indication

BATTERY NOT CONNECTED INDICATIONS

Battery not connected is indicated by FLASHING GREEN. In this mode charger will apply short pulses attempting to wake up deeply discharged batteries.

ERROR INDICATIONS

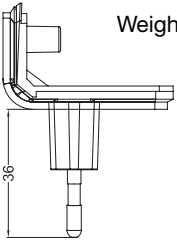
- 2 red blinks: Battery is connected to charger with wrong polarity!
- 3 red blinks: Charger output is shorted. Check output cable connection!
- 4 red blinks: Battery voltage is low. Check battery status or voltage.
- 5 red blinks: Safety timer has run out. Check battery status or capacity.
- LED off: Battery voltage is too high. Check battery voltage.



Exchangeable AC plugs for 3546

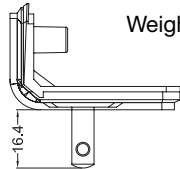
EU plug adapter

Part no. 127000
Weight: 20,9 g



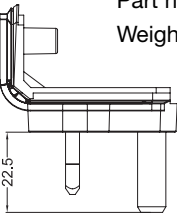
US plug adapter

Part no. 127100
Weight: 13,4 g



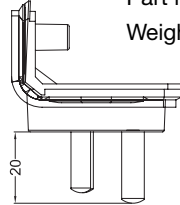
UK plug adapter

Part no. 127200
Weight: 29,2 g



AUS plug adapter

Part no. 127300
Weight: 21,4 g



2-pin IEC 60320 C7 mains cord
1800 mm
EU part no. 131306, UK part no. 131148,
US part no. 131368, AU part no. 013108

