

Model 3240 LA

8,5 A max out • 110/230 VAC input

- 3-step charge control with current detection as charge termination
- 110/230 AC input voltage
- 2-pin IEC 320 input connector
- Waterproof (IP67) version available
- With NTC input on request
- Approvals:
 - Medically certified EN 60601-1 3.1ed
 - UL approved
- Custom specifications on request:

Charging parameters, connectors, cords, logo print, housing/open frame/IP rating and certificates. For more information: [custom design info sheet](#)



Available versions

12V / 7A

24V / 3,5A

Notes:

Desktop unit

Battery clips, push-on terminals

Standard DC output cord:

Battery clips + temp. sense, fuse holder, L 1.0m, 3.5mm

Red/Black, 16 AWG, UL 2569

Exchangeable DC plugs (from 24 to 48V versions)

Order plugs and mains cord separately

Specifications for MASCOT type 3240	Lead Acid versions				
	6V	12V	24V	36V	48V
Input voltage:	95-130Vac 198-264Vac	95-130Vac 198-264Vac	95-130Vac 198-264Vac	95-130Vac 198-264Vac	95-130Vac 198-264Vac
Line frequency:	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Max output power:	62W	103W	103W	101W	100W
Ripple:	<100mV p-p	<100mV p-p	<100mV p-p	<100mV p-p	<100mV p-p
Efficiency (at 100% load, 230V) approx.:	>86%	>89%	>89%	>89%	>89%
Leakage current from battery with mains switched off:	<0.6mA	<0.6mA	<1mA	<1mA	<1mA
Recommended battery capacity:	42.5 – 80 Ah	35 – 80 Ah	17.5 – 40 Ah	11.5 – 25 Ah	8.5 – 20 Ah
Charge control:	Charge indication:				
Step 1 Charge current:	8.5A +0.1/-0.75A	7.0A +0/-0.7A	3.5A +0/-0.4A	2.3A +0/-0.3A	1.7A +0/-0.3A
Step 2 Charge voltage:	7.35V ±0.05V	14.7V ±0.15V	29.4V ±0.2V	44.1V ±0.2V	58.8V ±0.3V
- Charge current >:	Orange				
- Charge current <:	Yellow				
Step 3 Charge termination (2) <:	Green				
Standby voltage:	6.85V ±0.05V	13.7V ±0.15V	27.4V ±0.30V	41.1V ±0.30V	54.8V ±0.30V
NTC input on request (10K):	0-45°C normal charge <0 or >45°C reduced charge (LED indication is yellow)				
Switch frequency approx.:	65kHz				
Protection:	Protected against reversed polarity and short circuit proof				
Temperature range:	Operating: +25 to +40°C / Storage: +25 to +85°C				
Safety:	EN 60601-1, EN 60335-2-29				
Insulation class:	Class II				
Insulation voltage: Primary – secondary:	4000VAC / 5700VDC				
EMC standards:	Med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1				
Mains connection:	2-pins IEC 60320/C8 connector. (Non-detachable mains cord on request)				
Output terminals:	Battery clips or DC connector.				
IP-Grade:	IP41 (IP67 on request).				
Dimensions:	160 × 81 × 44.3mm				
Weight:	590g (1090g IP67 version)				

distributed by: