

Model 3245 LA

7 A max out • 230 VAC input

- 6-step charge control with microprocessor
- For all types of Lead Acid batteries: GEL, AGM, WET, SLA
- Mode select for battery size, type, recondition and as power supply
- Protected against reversed polarity and short circuit proof
- Memory function for last used charge program
- Temperature compensated charge voltage w. external temp. sensor
- Practical briefcase for storage
- LED flashlight included

Notes:

Desktop unit

Plastic storage case included



Available versions

12V / 7A

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Specifications for MASCOT type 3245 LA Charger:	12V
Input voltage: / Line frequency:	198 - 264VAC / 47 - 63Hz
Max output power:	103W
Mode selector:	1. Normal batteries – 2. Small batteries – 3. Gel batteries – 4. Recond – 5. Power supply
Large batteries Step 0 < 30min Step 0 > 30min Step 1 (until Vbat = 14.7V) Step 2 (until I charge < 1.6A or > 4h) Step 3 (until I charge > 7.0A) Charge timer (step 2): Safety timer: Restart charge current approx.:	1.6A ± 0.2A, when battery voltage < 10.5V . 0A 7.0A +0/-0.4A, when battery voltage >10.5V. 14.7V ± 0.1V and charge current is tapering. 13.7V ± 0.2V, supply current up to maximum 7.0A for possible parallel load. 4h 72h 7.0A
Small batteries Step 0 < 30min Step 0 > 30min Step 1 (until Vbat = 14.7V) Step 2 (until I charge < 0.25A or > 4h) Step 3 (until I charge > 1.5A) Charge timer (step 2): Safety timer: Restart charge current approx.:	0.25A ± 110mA, when battery voltage < 10.5V . 0A 1.5A ± 0.2A, when battery voltage > 10.5V . 14.7V ± 0.1V and charge current is tapering. 13.7V ± 0.2V, supply current up to maximum 1.5A for possible parallel load. 4h 72h 1.5A
GEL batteries Step 0 < 30min Step 0 > 30min Step 1 (until Vbat = 14.4V) Step 2 (until I charge < 1.6A or > 4h) Step 3 (until I charge > 7.0A) Charge timer (step 2): Safety timer: Restart charge current approx.:	1.6A ± 0.2A, when battery voltage < 10.5V . 0A 7.0A +0/-0.4A, when battery voltage > 10.5V . 14.4V ± 0.1V and charge current is tapering. 13.7V ± 0.2V, supply current up to maximum 7.0A for possible parallel load. 4h 72h 7.0A
Recond Step 0 < 30min Step 0 > 30min Step 1 (until Vbat = 14.7V) Step 2 (until I charge < 1.6A or > 4h) Step 3 (until I charge > 7.0A) Step 4 (until Vbat = 15.7V) Step 5 (until I charge < 0.6A or > 30min or 4h) Step 6 (until I charge > 1.5A) Reconde timer): Safety timer:	1.6A ± 0.2A, when battery voltage < 10.5V . < 0.2A 7.0A +0/-0.4A, when battery voltage >10.5V. 14.7V ± 0.1V and charge current is tapering 13.7V ± 0.2V. 1.5A ± 0.2A 15.7V ± 0.2V and charge current is tapering. 13.7V ± 0.2V, 30 min to max 4h 72h
Power supply	Output voltage: 13.7V Max output current: 6.5A Ripple: < 100mVp-p
Formation Charge:	Low current start-up of deeply discharged battery.
Float charge:	7.0A pulses at safe float voltage level for maximum topping of battery capacity (1.5A pulses, small batteries).
Indication battery charge status:	Green LED stripe 0%, 20%, 40%, 80%, 100%
Indication when "Battery not connected":	Green "PULSE" LED flashing Green (1s/1s)
Indication "Recond cycle":	Green LED stripe 0%, 20%, 40%, 80%, 100% flashing
Temperature compensation of charge voltage:	-3 to -4mV/°C pr. cell
Ripple:	< 100mVp-p
Efficiency (at 100% load, 230V) approx.:	89 %
Switch frequency approx.:	65kHz
Leakage current from battery with mains switched off:	< 50 uA @ 12V

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Protection:	Protected against reversed polarity and short circuit proof. Prevents sparking. Charge timer: 4h. Safety timer : 72h Thermal protection. Charging of wrong lower voltage battery pack (e.g. 6V) will be limited to 1.6A (0.25A small battery) and terminated after 30 min. Charging battery >16.2V terminated immediately.
Temperature range:	Operating: +25 to +40°C. Storage: +25 to +65°C
Safety:	EN 60335-2-29
Insulation class :	Double insulated (Class II)
Insulation voltage: Primary – secondary:	3750VAC / 5300VDC
EMC standards:	EN 55014-1 and –2
Input terminal:	Mains cable
Output terminals:	Cord with Insulated battery clips and temp. sensor
Protection against ingress (IP-code):	No openings; dust proof and protected against water jetting (IP65)
Recommended battery capacity:	Large and Gel battery, 30 - 120Ah. Small battery, (3)5 - 30Ah For small(er) batteries, please check max allowed charge current in battery datasheet.
Dimensions:	169 × 95 × 47 mm
Weight:	900g

Charging characteristics

