

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 storeage
- LED flashlight included

Notes:

Desktop unit

Plastic storeage case included



Available versions

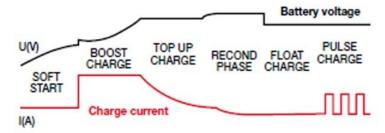
12V / 7A

Specifications for MASCOT type 3245 LA Charger:	12V
Input voltage: / Line frequency:	198 - 264VAC / 47 - 63Hz
Max output power:	103W
Mode selector:	Normal batteries – 2. Small batteries – 3. Gel batteries – 4. Recond – 5. Power supply
Large batteries	
Step 0 < 30min	1.6A \pm 0.2A, when battery voltage < 10.5V .
Step 0 > 30min	0A
Step 1 (until Vbat = 14.7V)	7.0A +0/-0.4A, when battery voltage >10.5V.
Step 2 (until I charge < 1.6A or > 4h)	14.7V ± 0.1V and charge current is tapering.
Step 3 (until I charge > 7.0A)	13.7V \pm 0.2V, supply current up to maximum 7.0A for possible parallel load.
Charge timer (step 2):	4h
Safety timer:	72h
Restart charge current approx.:	7.0A
Small batteries	
Step 0 < 30min	0.25A ± 110mA, when battery voltage < 10.5V.
Step 0 > 30min	0A
Step 1 (until Vbat = 14.7V)	1.5A ± 0.2A, when battery voltage >10.5V.
Step 2 (until I charge < 0.25A or > 4h)	14.7V ± 0.1V and charge current is tapering.
Step 3 (until I charge > 1.5A) Charge timer (step 2):	13.7V ± 0.2V, supply current up to maximum 1.5A for possible parallel load. 4h
Safety timer:	72h
Restart charge current approx.:	1.5A
GEL batteries	1.5A
Step 0 < 30min	1.6A \pm 0.2A, when battery voltage < 10.5V .
Step 0 > 30min	OA
Step 1 (until Vbat = 14.4V)	7.0A +0/-0.4A, when battery voltage >10.5V.
Step 2 (until I charge < 1.6A or > 4h)	14.4V ± 0.1V and charge current is tapering.
Step 3 (until I charge > 7.0A)	13.7V ± 0.2V, supply current up to maximum 7.0A for possible parallel load.
Charge timer (step 2):	4h
Safety timer:	72h
Restart charge current approx.:	7.0A
Recond	
Step 0 < 30min	1.6A \pm 0.2A, when battery voltage < 10.5V .
Step 0 > 30min	< 0.2A
Step 1 (until Vbat = 14.7V)	7.0A +0/-0.4A, when battery voltage >10.5V.
Step 2 (until I charge < 1.6A or > 4h)	14.7V ± 0.1V and charge current is tapering
Step 3 (until I charge > 7.0A)	13.7V ± 0.2V.
Step 4 (until Vbat = 15.7V)	1.5A ± 0.2A
Step 5 (until I charge < 0.6A or > 30min or 4h)	15.7V ± 0.2V and charge current is tapering.
Step 6 (until I charge > 1.5A)	$13.7V \pm 0.2V$,
Reconde timer): Safety timer:	30 min to max 4h 72h
	Output voltage: 13.7V
Power supply	Max output current: 6.5A
	Ripple: < 100mVp-p
Formation Charge:	Low current start-up of deeply discharged battery.
1 omation onargo.	7.0A pulses at safe float voltage level for maximum topping of battery
Float charge:	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)
	Large and Gel battery, 30 - 120Ah. Small battery, (3)5 - 30Ah
Recommended battery capacity:	For small(er) batteries, please check max allowed charge current in battery
	datasheet.
Dimensions:	169 × 95 × 47 mm
Weight:	900g

Charging characteristics



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