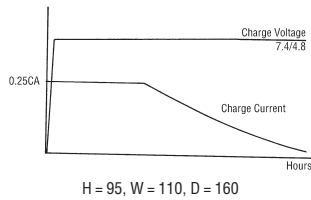


## Lead Acid Chargers — continued

### 6V/12V Automatic 1.5A



**Lawtronics**

- Intelligent split rate charging
- Initial current limit 1.5A
- Reverse polarity protection
- Short-circuit protection
- Ambient temperature compensation
- Suitable for cyclic and standby operation
- Suitable for 6Ah batteries or greater

A completely automatic charger housed in a black anodised aluminium extrusion designed for ease of use. On power-up, the charger matches the output to the voltage of the battery if a battery is not connected. A charge LED shows constant brightness until at least 90% of the batteries capacity is restored. The chargers output is then reduced and the charge LED will start to flicker, at this point the battery is fully charged but may be left connected.

Battery voltage	6V or 12V auto selecting	Indicators	Power, 6V mode, 12V mode, reverse polarity, charge initial/standby
Output current (max.)	1.5A		
Input voltage	200V to 265V ac		
Weight	2kg		

BAT50X

Charger	Order Code	Price Each			
		1+	5+	10+	25+
	<b>575-756</b>				
<b>Mains Leads</b>		<b>1+</b>	<b>25+</b>		
UK	<b>152-575.</b>				
Europe	<b>210-699.</b>				

### 12V/24V Constant Voltage 60-700W



- Switch mode
- Power factor corrected to EN61000-3-2
- IEC inlet 198-264V ac input
- Constant float output voltage
- Current meter output
- Constant current limiting
- Reverse voltage protection
- Short circuit protection
- Over temperature protection
- Output overvoltage protection
- CE marked to LVD and EMC Directive
- Equipment mounting

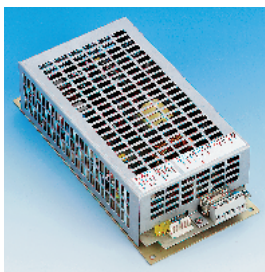
- Convection cooled

Input Voltage	Nominal Voltage	Output Current (max.)	Dimensions (mm)	Weight (kg)	Order Code
198-264V ac	13.8V	5A	180 113.6 72.9	1.0	864-171
	13.8V	25A	310 144.6 97.9	2.5	604-495
ac	13.8V	50A	288 190 145	5.0	303-0222
	27.2V	2.5A	180 113.6 72.9	1.0	864-201
	27.2V	25A	288 190 145	5.0	303-0234

BAT92

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
14F20170013	<b>864-171</b>			
14F20173013	<b>604-495</b>			
14F20174013	<b>303-0222</b>			
14F20170027	<b>864-201</b>			
14F20174027	<b>303-0234</b>			

### Switch Mode Charger Battery Back-Up Operations



H = 59, W = 110, D = 230

Two specialist power supply chargers designed for battery back-up operations. Both units incorporate an internal diode between the charger output and the main 28V output. The charger output is temperature compensated for reliable operation and battery management. When the charger output is not loaded, the total power capability is available to the main output. Comprehensive range of signals include: +28V Fault LED, Battery Fault LED, Charger Fault LED, Battery Low LED, Fault Alarm – open Collector Output. Features include: Battery deep discharge protection, Battery defeat.

**BULGIN**  
Electrical - Electronic Components

Input voltage 108-132 and 207-253V rms link selectable  
Operating temperature 0 to +50°C  
Safety & EMI EN55022-B, FCC20780-A, EN60950, UL1950, EN54-4

Output Watts	Main Output	Max. Current	Charger O/P	Max. Current O/P 2	Mfrs. List No.	Order Code
170	28V	6A	27.3V	2A	14559/000	864-237
80	28V	2.85A	27.3V	1A	14560/000	864-249

BAT91

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
14559/000	<b>864-237</b>			
14560/000	<b>864-249</b>			

### Bench Top Chargers 12V 3A and 4A, 3-Stage

**YUASA**



- 3-stage micro-processor controlled
- LED indication of float charge, bulk charge
- Short circuit protection, reverse polarity protection
- Automatic thermal protection
- UK and European version available
- Manufactured to BS3456, IEC335, EN60335, CE mark to EN5008-1

	12V	12V
Float charge	13.7V	13.7V
Bulk charge	14.5V	14.5V
Charge current	3A	4A
Battery capacity (suitability)	12Ah	17 to 24Ah
Input voltage	230V ac ±10%	
Output lead	1m lead with croc. clips	
Weight	1.9kg	
Case material	Plastic ABS (Black)	

BAT160

	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
3A 12V UK	CM3A12T/UK	<b>326-9802</b>			
3A 12V Euro	CM3A12T/Euro	<b>326-9814</b>			
4A 12V UK	CM4A12T/UK	<b>326-9826</b>			
4A 12V Euro	CM4A12T/Euro	<b>326-9838</b>			

### Heavy Duty Startmaster

**SP**



- Portable battery charger with start facility
- Trickle or boost charge
- Accurate ammeter
- Operates from a domestic 13 amp socket
- Thermal overload, short circuit, reverse polarity protection
- Supplied with heavy duty jump leads
- Housed in a strong steel case
- Capable of starting flat batteries on commercial vans, forklifts and domestic vehicles

Input Voltage	230/240V ac	Charge Rate Setting	Max/Med/Min
Output Voltage	12/24 V dc	Packed Dimensions (H W L) mm	260 295 260
Charge Current	30 Amps	Weight Kgs	21.1
Start Current	210 Amps		

BAT79X

Mfrs. List No.	Order Code	Price Each	
		1+	4+
210-30	<b>724-002</b>		