



DESCRIPTION

The Curtis Rialto Charger is designed to recharge batteries in 8-13 hours. Available from the standard range for recharging batteries of 12 to 36 volts at 10 to 60 amps from a single phase supply. The Curtis Rialto is also available in dual 110/240 volt supply.

APPLICATION

Curtis, the world leader in the supply of battery monitoring instrumentation and DC motor speed controllers in the electric vehicle industry, now offers a full range of motive power battery chargers to meet all needs.

Designed to meet Curtis standards of reliability the Rialto battery charger is the entry level product within the range of Curtis motive power battery chargers. It is manufactured to meet all European quality and safety standards including CE, TUV & ISO 9002.

The Rialto charger is a small robust low cost unit for 8-13 hour recharge, ideally suited to the cleaning and materials handling industries.

The charging characteristic is to DIN 41774 WaCurve. The standard colours are Ral 5010 Blue and 7016 Grey. Customer specific colours are available to special order.

BENEFITS

- Safe opportunity charging: Proportional gassing control ensures the battery receives the correct amount of charge whatever the operation.
- Automatic equalize: ensures the battery is fully recharged and ready to use.
- Battery protection: Two independent security timers protect the battery from the possibility of overcharged due to either battery or charger faults.
- Low input currents: All models are suitable for operation from a 13 amp single phase supply.
- No installation costs: Comes complete with 13 amp plug for operation from mains outlet.
- Space saving: Compact, wall mounting, all steel casework finished in hard wearing wipe clean epoxy paint.
- Simple to operate: Graphical operating instructions and simple start/stop switch.
- Easily understood charge indication: Three LED's and battery graphic symbols show state of charge.
- LED indication: of security timer operation or mains supply faults.

CURTIS INSTRUMENTS, (UK) LTD.
5 UPPER PRIORY STREET
NORTHAMPTON NN1 2PT, ENGLAND
TEL 44 (0) 1604-629755
FAX 44 (0) 1604-629876

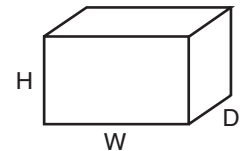
SPECIFICATIONS

Input	Supply voltage: Single phase 220-230-240-250 AC, 50/60 hertz Options: 110/240 dual voltage and other non standard voltages on application Protection: Fast blow fuse on AC supply Connection: Transformer protected by auto reset thermal trip 2m of AC input cable with a moulded 13 Amp plug
Output	Characteristic: Wa taper to DIN 41774 Protection: DC fuse Connection: 2.5m of suitably rated DC output cable
Operating Ambient	Temperature: 0-60°C Relative humidity: 85%
Enclosure	Material: Sheet steel Protection: IP 20 Finished: Kiln dried epoxy coating
Control	Voltage sensing microprocessor controller Auto reset and safety start delay Quick test of timer circuit Proportional gassing with timed charge adjustment Automatic equalise 10 hour bulk charge time security timer and 14 hour overall security timer
Indication	AC mains indicator LED indication of charge status Green: Flat battery symbol LED lit - Battery connected but not charging All LED's flash - diagnostic test when mains supplied Green LED flash: Charging in process Yellow LED lit - battery 80% charged $V > 2.4$ V/cell Green fully recharged battery symbol LED lit when charge complete Red: Battery fault - LED flashes or remains lit if there is a power failure or the security timers have operated
Standards	TUV, ISO9002, EN60335-1 (CEI 61-78)

MODEL REFERENCE/CHARGER SELECTION

Chargers are mounted into case sizes 2 and 3 as follows:

Battery Voltage	Case 2 9 - 21Kg	Case 3 27 - 29Kg
12V	10 - 40 amp	-
24V	10 - 40 amp	50 - 60 amp
36V	10 - 30 amp	40 amp



	Width	Height	Depth
Case 2	425	280	275
Case 3	500	310	300

WARRANTY Five year limited warranty from time of delivery.

