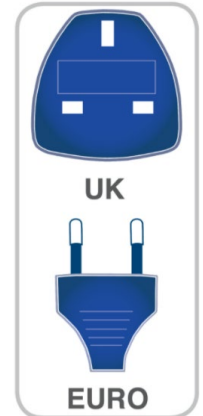


Features

- Universal input 100-240VAC
- Output Power: 24-48W
- Plastic Enclosure
- Approved to UKCA, CE
- LVD & EMC Class B Certified, RoHS & REACH compliant
- 12-24V Lead Acid 3 Stage Control (Fast/Normal/Float)
- OVP, OCP, OTP Short Circuit



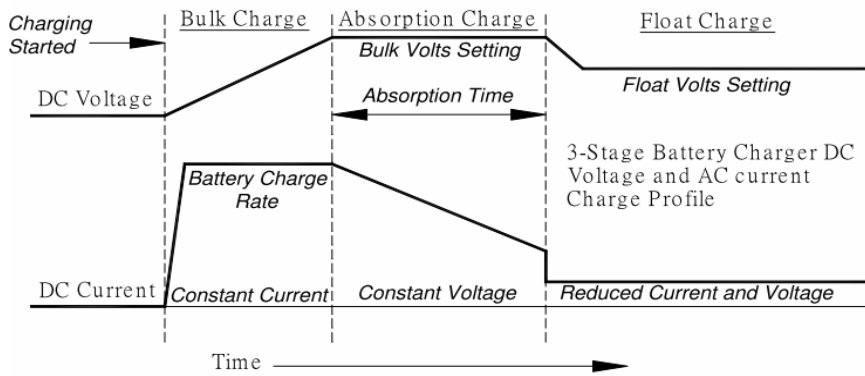
Ideal Power's 31ACWW24A-RS Range of 24V Lead Acid Battery Chargers Series are certified to UKCA, CE, RoHS, REACH & EN 62368-1 Standards and comply with the relevant Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models	31AC0212A-RS	31AC0224A-RS
Input Voltage	100V ~ 240V universal	
Input Frequency	47Hz ~ 63Hz	
Output Max Current	2Amp	2Amp
Output Power	24W	48W
Max Charging Current	2A +/- 0.2A	
Working Temperature	0 ~ 50 °C	
Hold up Time	8 ms at full load output power and 115 Vac input	
Battery Application	Lead Acid Battery	
LED - Charging	Red	
LED - Charged	Green	
Mains Lead	1.8M EURO Plug + 1.8M UK Fuse Plug	
DC Cable	SPT2, 2C, 18AWG, 1.8M mount clips	
Dimensions	119 x 61 x 37 (LxWxH) mm	
Weight	0.5 (Kgs)	
Safety	CE, CUL	

Specifications subject to change without notice.

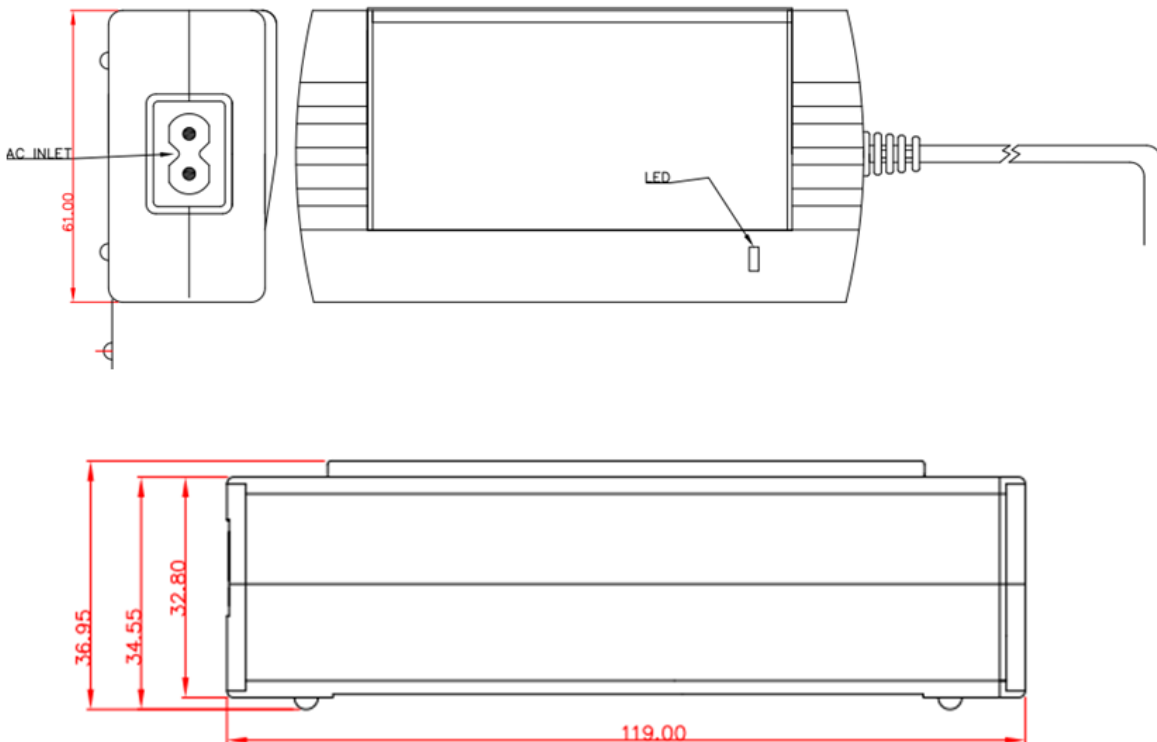


Three Steps of Charging & Charge Curve



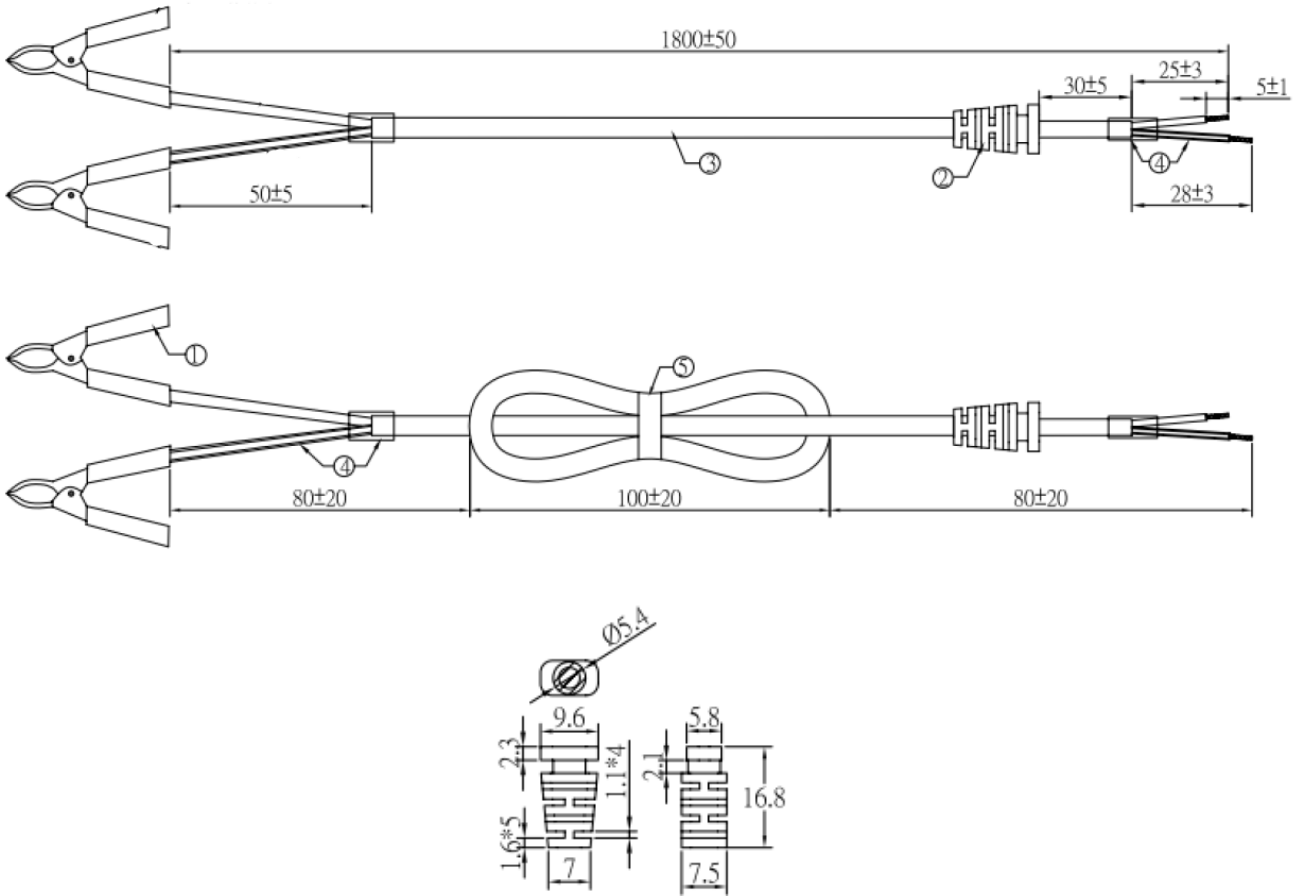
Step 1	Bulk charge – bring batteries to 75% capacity fast. During this stage charging occurs at full power, which means maximum current, until the battery voltage reached the set limit.
Step 2:	Absorption Charge, boost – slow the current flow, adjusting for maximum efficiency and gently topping off batteries. During absorption charging the current decreases as the battery approached full charge.
Step 3	Trickle Charge – for longer period, maintains fully charged batteries without harmful effects of overcharging and cooking. Trickle charge is intended to keep the battery in a fully charged state and compensates for self-discharge. When the current reaches setting point the battery switches to a maintenance charge at a constant voltage. Should the battery be in use and the charge current Subsequently exceed setting point the charger will automatically return to the beginning of the three-step charge characteristic.

Case Drawing

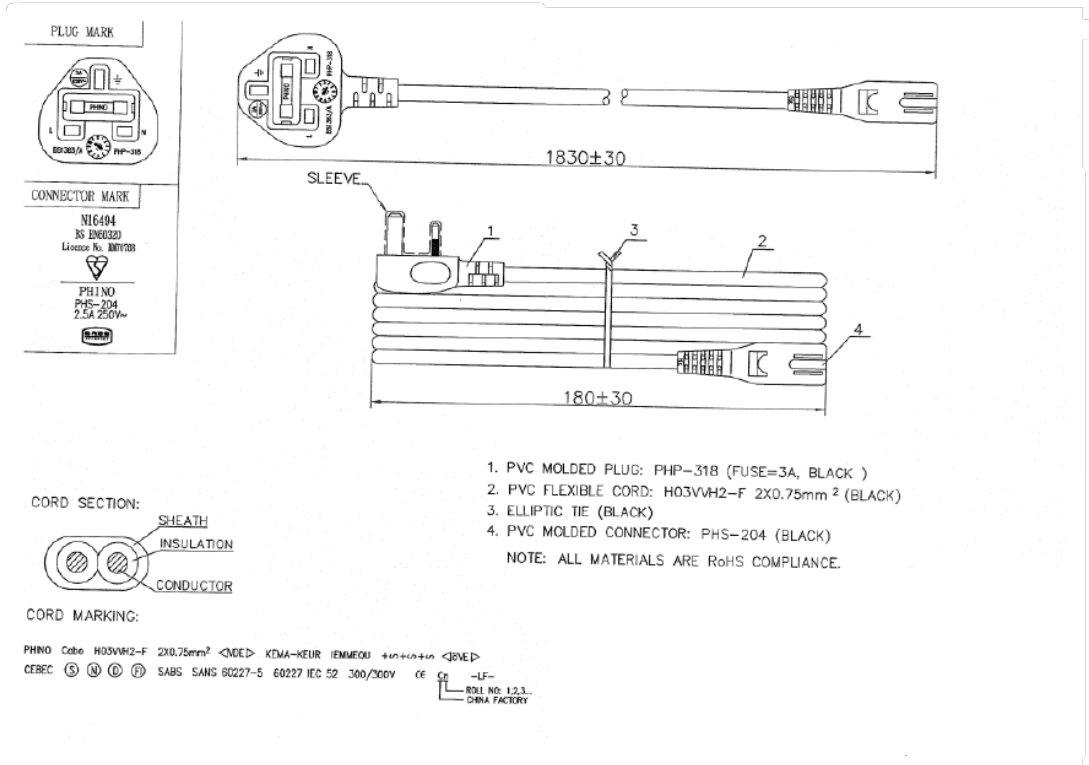


AC - DC

Cables



AC - DC

Mains Lead

AC - DC
