


**Descriptions:**

- 9 step intelligent fully automatic charging program, keep battery a longer life span.
- 6V/12V selectable 1.0A output
- Full LED indication
- Light weight
- Fire Retardant housing
- Sliding up handle bar for easier carrying and hanging.
- Full protections for lead acid battery:
  - Reverse polarity protect.
  - Short circuit protect
  - Spark proof
- Weather proof housing,
- Battery Recovery mode
- Real Battery maintenance mode, keep battery ready to go.








**Cable accessories included:**

1. 500 mm DC cable attached with alligator clip
2. 500 mm DC cable attached with 3A fused ring terminals.

**Function/ Features / Benefit:**

Features Model No.	Charge algorithm	Voltage select	Current select	Spark proof	Reverse polarity	Temp. protect	IP	Wall bracket	Power supply	LCD	Battery Recovery
BCA -1102S6WR	9 steps	●		●	●	●	65	●	SMPS		●

**Applications:**

Applications Model No.							
BCA - 1102S6WR	●	●		●		●	●

**Certifications:**

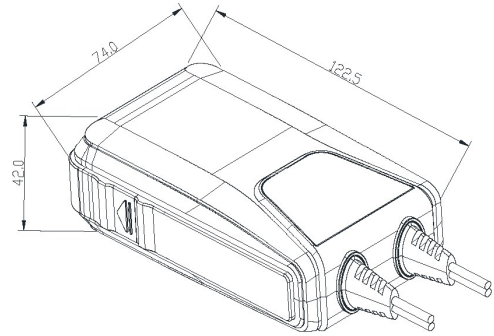
Certification Model No.	CE/GS	UL/CUL	RoHS	SAA	EMC	E-mark	PSE	PAH	BEAB
BCA - 1102S6WR	●	●	●		●			●	

# BCA1102S6WR 6V/ 12V 1.0A Battery Charger

## Mechanical Specifications:

AC Cable	1.2M length H03VV
DC Cable	1.2M length
Dimension	L. 122.5 x W 74 x H 42mm
Packing Meas.	L 266 x W. 130 x H. 60mm
Weight per Unit	315g
Packing	15pcs. Per master carton
Shipping Meas.	L 408 x W 281 x H 325mm
Shipping Weight	10 Kgs

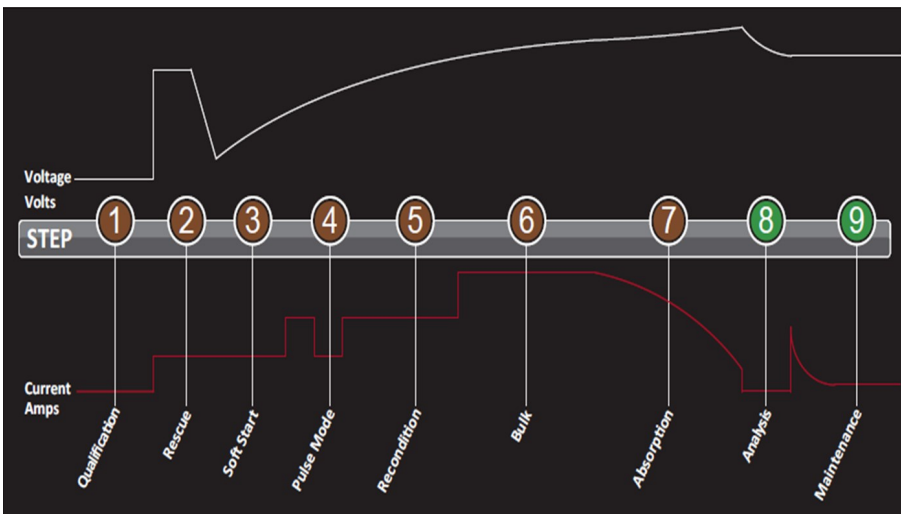
## Mechanical Drawing:



## Electrical Specifications:

Input Voltage	100-240Vac 50/60Hz
Output Voltage	6V/12Vdc
Output Current	1.0A
Battery size recommend	40Ah (Max.)
Efficiency	>75%
Battery Type	Flooded, Maintenance free, VRLA, AGM, GEL
Housing	94V0 Fire Retardant plastic
Operation Temperature	-20°C to 45°C

## 9 Steps Charging Methods And Descriptions:



- 1. Qualification:**  
Ensures the battery is in good condition prior to charge, charger will not be started if battery is a problematic battery.
- 2. Battery Recovery:**  
Battery Recovery will be commenced if the battery voltage has raised to a unusual high level at the beginning of charge.
- 3. Soft Start:**  
Soft Start follows when battery is rescued successfully, it delivers limited current to re-active the element of battery for better charging condition.
- 4. Pulse Mode:**  
Pulse mode starts in case the battery has detected at very low level when the charge commences.
- 5. Recondition:**  
Recondition follows when the Pulse Mode is completed, it aims to re-active the element of battery for battery charging condition.
- 6. Bulk charge:**  
Delivers the maximum constant current for charging up the battery until 80% full.
- 7. Absorption charge:**  
The charge program switches over to constant voltage, the charging current will gradually reduce according to the rise of battery capacity level. Absorption will be stopped automatically once the battery is full.
- 8. Analysis:**  
Checks the battery voltage after charged to ensure the voltage can be retained otherwise the battery will be classified as bad.
- 9. Maintenance**  
The battery can be permanently maintained at maximum working condition by microprocessor monitoring .