

## TO CHARGE THE BATTERIES, USE OUR BATTERY CHARGER BC122



### BATTERY CHARGERS

#### SWITCHING BATTERY CHARGERS SERIE BC122

The BC122 switching is a high-efficiency battery charger (without cooling fan) for lead, gel, lithium and AGM batteries. The batteries must have a rated voltage of 12V and a capacity suitable for the battery charger current (check the compatibility of the maximum charging current with the technical data sheet of the battery to be connected for use). The BC122 also works as a power supply unit.

|                                    |                                 |
|------------------------------------|---------------------------------|
| MODEL                              | BC122                           |
| TECHNICAL DATA                     |                                 |
| CODE                               | B1.0543.002                     |
| RATED VOLTAGE                      | 230Vac±10%                      |
| FREQUENCY                          | 50Hz±60 Hz                      |
| MAXIMUM POWER                      | 320W                            |
| PROTECTION FUSE                    | 4A                              |
| OUTPUT TECHNICAL DATA              |                                 |
| MAXIMUM CURRENT                    | 22A continuous                  |
| SHORT-CIRCUIT PROTECTION           | YES                             |
| OVERLOAD PROTECTION                | YES                             |
| OUTPUT OVERVOLTAGE PROTECTION      | YES                             |
| OVERTEMPERATURE PROTECTION         | YES                             |
| BATTERY OVERTEMPERATURE PROTECTION | Yes (with NTC sensor)           |
| THERMAL PROTECTION                 | YES                             |
| BATTERY TYPE SELECTOR              | Dip-switch                      |
| CHARGING LINE                      | IUoU - AGM / GEL / Pb / LiFePO4 |
| NUMBER OF CHARGING LINES           | 8                               |
| NETWORK PRESENCE SIGNAL (S)        | 12V (MAX 150mA)                 |
| GENERAL TECHNICAL DATA             |                                 |
| EFFICIENCY                         | 93 %                            |
| AMBIENT TEMPERATURE                | - 20 ÷ 40° C                    |
| INTERNAL FAN                       | Absent                          |
| PROTECTION RATING                  | IP 20                           |
| MAINS CONNECTION                   | 3 poles IEC EN60320 C14         |
| BATTERY CONNECTION                 | "M6" screw                      |
| DIMENSIONS (mm)                    | 146x183x65mm                    |
| WEIGHT                             | <0,8kg                          |

## AGM

### ORDER INFORMATION

|                          |               |
|--------------------------|---------------|
| CODE AL-KO:              | 21.0001.000   |
| CODE EAN13 AL-KO:        | 8033123268394 |
| EUROPEAN TYPE NO. (ETN): | 595901085     |

### BATTERY

- ◆ Designed for motorhomes, caravans and boats to run electrical equipment with moderate energy requirements
- ◆ Long lasting – up to three times the cyclic stability of conventional flooded batteries
- ◆ Minimal self-discharge makes it ideal for seasonal use
- ◆ AGM technology for high rate discharge performance, plus superb shock and vibration resistance
- ◆ Ideal for dual power applications (can be used for both starting and overall energy supply)



### TECHNICAL INFORMATION

|                        |     |                     |        |
|------------------------|-----|---------------------|--------|
| VOLTAGE [V]:           | 12  | BASE HOLD-DOWN:     | B13    |
| BATTERY CAPACITY [AH]: | 95  | LAYOUT:             | 0      |
| CCA, EN [A]:           | 850 | TERMINAL TYPES:     | 1      |
| LENGTH [MM]:           | 353 | CASE SIZE:          | H8/LN5 |
| WIDTH [MM]:            | 175 | WEIGHT FILLED (KG): | 26,4   |
| HEIGHT [MM]:           | 190 |                     |        |

### DRAWINGS



## BATTERIES



# BATTERIES VARTA LITHIUM & AGM



Distributed by  
**AL-KO Vehicle Technology Electronics S.r.l.**  
Via Vienna, 4 | 38121 Trento (Italy) | T. +39 0461 991598  
cbe@cbe.it | [www.cbe.it](http://www.cbe.it) info@nordelettronica.it | [www.nordelettronica.it](http://www.nordelettronica.it)

**AL-KO**  
QUALITY FOR LIFE



LITHIUM

| BATTERY                          | VARTA LL50    | VARTA LL100        |
|----------------------------------|---------------|--------------------|
| Code                             | 21.0002.000   | 21.0003.000        |
| Size                             | 195x132x183mm | 278x175x190mm (H6) |
| LTechnologie                     | LiFePO4       | LiFePO4            |
| Application                      | Deep-Cycle    | Deep-Cycle         |
| Rated Capacity                   | 50Ah / 640Wh  | 100Ah / 1280Wh     |
| Nominal voltage                  | 12.8V         | 12.8V              |
| Energy                           | 640Wh         | 1280Wh             |
| Voltage range                    | 9.2 - 14.8V   | 9.2 - 14.8V        |
| Charge voltage                   | 14.2 ~ 14.6V  | 14.2 ~ 14.6V       |
| Max. charge current (1C)         | 50A           | 100A               |
| Continuous Discharge Current Max | 50A           | 100A               |
| Peak Discharge (10S)             | 100A          | 200A               |
| Peak Discharge (1S)              | 150A          | 300A               |
| Charge temperature range         | 0°C to 45°C   | 0°C to 45°C        |
| Heating                          | no            | no                 |
| Discharge temperature range      | -20°C to 60°C | -20°C to 60°C      |
| Enclosure Protection (IP)        | IP67          | IP67               |
| Weight                           | ~6,5kg        | ~12kg              |
| Terminal                         | M6            | DIN + M8           |
| Bluetooth + App                  | yes           | yes                |
| CI Bus                           | no            | yes                |
| CAN bus                          | no            | RS485 & J1939      |
| Sleep Mode                       | yes           | yes                |
| Parallel/Serial connection       | yes           | yes                |
| ETN                              | 850 050 000   | 850 100 000        |
| EAN Code                         | 4016987166918 | 4016987166925      |



LITHIUM

| BATTERY                          | VARTA LL100LT       | VARTA LL150        |
|----------------------------------|---------------------|--------------------|
| Code                             | 21.0003.100         | 21.0004.000        |
| Size                             | 278x175x190mm (H6)  | 353x175x190mm (H8) |
| LTechnologie                     | LiFePO4             | LiFePO4            |
| Application                      | Deep-Cycle          | Deep-Cycle         |
| Rated Capacity                   | 100Ah / 1280Wh      | 150Ah / 1920Wh     |
| Nominal voltage                  | 12.8V               | 12.8V              |
| Energy                           | 1280Wh              | 1920Wh             |
| Voltage range                    | 9.2 - 14.8V         | 9.2 - 14.8V        |
| Charge voltage                   | 14.2 ~ 14.6V        | 14.2 ~ 14.6V       |
| Max. charge current (1C)         | 100A                | 150A               |
| Continuous Discharge Current Max | 100A                | 150A               |
| Peak Discharge (10S)             | 200A                | 300A               |
| Peak Discharge (1S)              | 300A                | 450A               |
| Charge temperature range         | -20°C to 45°C       | 0°C to 45°C        |
| Heating                          | -20°C Smart Heating | no                 |
| Discharge temperature range      | -20°C to 60°C       | -20°C to 60°C      |
| Enclosure Protection (IP)        | IP67                | IP67               |
| Weight                           | ~12kg               | ~17kg              |
| Terminal                         | DIN + M8            | DIN + M8           |
| Bluetooth + App                  | yes                 | yes                |
| CI Bus                           | yes                 | yes                |
| CAN bus                          | RS485 & J1939       | RS485 & J1939      |
| Sleep Mode                       | yes                 | yes                |
| Parallel/Serial connection       | yes                 | yes                |
| ETN                              | 850 100 001         | 850 150 000        |
| EAN Code                         | 4016987166932       | 4016987166949      |



LITHIUM

| BATTERY                          | VARTA LL150LT       | VARTA LL200    |
|----------------------------------|---------------------|----------------|
| Code                             | 21.0004.100         | 21.0005.000    |
| Size                             | 353x175x190mm (H6)  | 345x350x188    |
| LTechnologie                     | LiFePO4             | LiFePO4        |
| Application                      | Deep-Cycle          | Deep-Cycle     |
| Rated Capacity                   | 150Ah / 1920Wh      | 200Ah / 2560Wh |
| Nominal voltage                  | 12.8V               | 12.8V          |
| Energy                           | 1920Wh              | 2560Wh         |
| Voltage range                    | 9.2 - 14.8V         | 9.2 - 14.8V    |
| Charge voltage                   | 14.2 ~ 14.6V        | 14.2 ~ 14.6V   |
| Max. charge current (1C)         | 150A                | 200A           |
| Continuous Discharge Current Max | 150A                | 200A           |
| Peak Discharge (10S)             | 300A                | 350A           |
| Peak Discharge (1S)              | 450A                |                |
| Charge temperature range         | -20°C to 45°C       | 0°C to 45°C    |
| Heating                          | -20°C Smart Heating | no             |
| Discharge temperature range      | -20°C to 60°C       | -20°C to 60°C  |
| Enclosure Protection (IP)        | IP67                | IP67           |
| Weight                           | ~17kg               | ~27kg          |
| Terminal                         | DIN + M8            | M8             |
| Bluetooth + App                  | yes                 | yes            |
| CI Bus                           | yes                 | no             |
| CAN bus                          | RS485 & J1939       | RS485 & J1939  |
| Sleep Mode                       | yes                 | yes            |
| Parallel/Serial connection       | yes                 | yes            |
| ETN                              | 850 150 001         | 850 200 000    |
| EAN Code                         | 4016987166956       | 4016987166963  |