

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

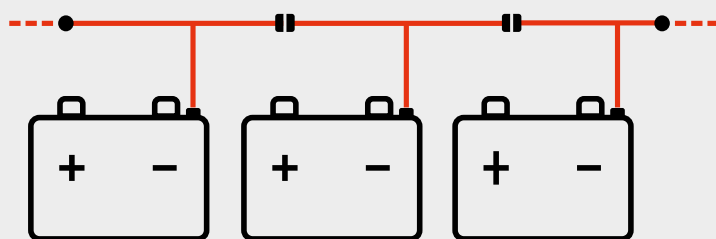


MODEL	BC122
<b>TECHNICAL DATA</b>	
CODE	B1.0543.002
RATED VOLTAGE	230Vac± 10%
FREQUENCY	50Hz+60 Hz
MAXIMUM POWER	320W
PROTECTION FUSE	4A
<b>OUTPUT TECHNICAL DATA</b>	
MAXIMUM CURRENT	22A continuous
SHORT-CIRCUIT PROTECTION	YES
OVERLOAD PROTECTION	YES
OUTPUT OVERVOLTAGE PROTECTION	YES
OVERTEMPERATURE PROTECTION	YES
BATTERY OVERTEMPERATURE PROTECTION	Yes (with NTC sensor)
THERMAL PROTECTION	YES
BATTERY TYPE SELECTOR	Dip-switch
CHARGING LINE	IuU - AGM / GEL / Pb / LiFePO4
NUMBER OF CHARGING LINES	8
NETWORK PRESENCE SIGNAL (S)	12V (MAX 150mA)
<b>GENERAL TECHNICAL DATA</b>	
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

**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.

**WIRING DIAGRAM FOR PARALLEL CONNECTION OF LITHIUM BATTERIES**



**21.1000.001**  
Y-Cable BMS connection Li-Ion 100/150 (for batteries connection in parallel mode).

**21.1000.002**  
Y-Cable BMS connection LL200(for batteries connection in parallel mode).

**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**



## LITHIUM



BATTERY	VARTA LL50	VARTA LL200
Code	21.0002.000	21.0005.000
Size	195x132x183mm	345x350x188
LTechnologie	LiFePO4	LiFePO4
Application	Deep-Cycle	Deep-Cycle
Rated Capacity	50Ah / 640Wh	200Ah / 2560Wh
Nominal voltage	12.8V	12.8V
Energy	640Wh	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)	50A	200A
Continuous Discharge Current Max	50A	200A
Peak Discharge (10S)	100A	350A
Peak Discharge (1S)	150A	
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	~27kg
Terminal	M8	M8
Bluetooth + App	yes	yes
CI Bus	no	no
CAN bus	no	RS485 & J1939
Sleep Mode	yes	yes
Parallel/Serial connection	yes	yes
ETN	850 050 000	850 200 000
EAN Code	4016987166918	4016987166963

## LITHIUM



BATTERY	VARTA LL100	VARTA LL100LT
Code	21.0003.000	21.0003.100
Size	278x175x190mm (H6)	278x175x190mm (H6)
LTechnologie	LiFePO4	LiFePO4
Application	Deep-Cycle	Deep-Cycle
Rated Capacity	100Ah / 1280Wh	100Ah / 1280Wh
Nominal voltage	12.8V	12.8V
Energy	1280Wh	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)	100A	100A
Continuous Discharge Current Max	100A	100A
Peak Discharge (10S)	200A	200A
Peak Discharge (1S)	300A	300A
Charge temperature range	0°C to 45°C	-20°C to 45°C
Heating	no	-20°C Smart Heating
Discharge temperature range	-20°C to 60°C	-20°C to 60°C
Enclosure Protection (IP)	IP67	IP67
Weight	~12kg	~12kg
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	850 100 000	850 100 001
EAN Code	4016987166925	4016987166932

## LITHIUM



BATTERY	VARTA LL150	VARTA LL150LT
Code	21.0004.000	21.0004.100
Size	353x175x190mm (H8)	353x175x190mm (H6)
LTechnologie	LiFePO4	LiFePO4
Application	Deep-Cycle	Deep-Cycle
Rated Capacity	150Ah / 1920Wh	150Ah / 1920Wh
Nominal voltage	12.8V	12.8V
Energy	1920Wh	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)	150A	150A
Continuous Discharge Current Max	150A	150A
Peak Discharge (10S)	300A	300A
Peak Discharge (1S)	450A	450A
Charge temperature range	0°C to 45°C	-20°C to 45°C
Heating	no	-20°C Smart Heating
Discharge temperature range	-20°C to 60°C	-20°C to 60°C
Enclosure Protection (IP)	IP67	IP67
Weight	~17kg	~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	850 150 000	850 150 001
EAN Code	4016987166949	4016987166956