

TO CHARGE THE BATTERIES, USE OUR BATTERY CHARGER BC122



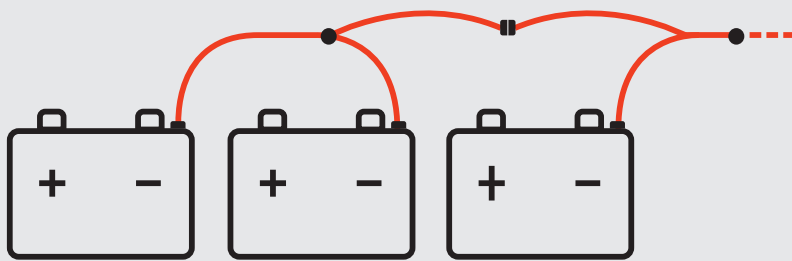
BATTERY CHARGERS

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

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



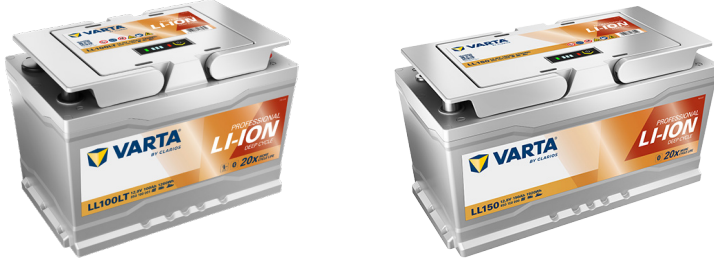
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LITHIUM



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