Battery chargers

Type BC

Especially designed for marine use

These battery chargers have a four stage IUoU charge programme: In the first bulk charge stage, the battery receives a continuous maximum current charge. Once the battery is recharged to approximately 75% of its full capacity, the charger switches automatically to a constant voltage absorption stage for the remaining 25%.
When the battery is fully charged, the charger will maintain this charge phase for 15 minutes (providing the charge is under 6.25% of the full charge current) and then switches to the float charge stage. In this stage the battery charger maintains the full charge without overloading the battery. It compensates for self-discharge and "floats" any loads on the battery.

After the float stage of twelve days, the charger implements the final reconditioning stage. In this stage the charger will switch to the bulk stage for 85 minutes only to ensure that the battery stays in optimum condition. The maximum charge voltage can be adjusted to all battery types due to easy access DIP switches. These chargers are suitable for all AC power sources from 90 V to 265 V. The active Power Factor Correction feature prevents of any unwanted line disturbances.

These chargers are compatible with Lead Acid, Li-ion, Gel, AGM and Deep Cycle batteries, have a separate alarm contact and variable fan speed for comfort reasons. BC12151, BC12252 and BC12352 includes a 2A maximum output trickle charger.

Specifications
- Universal AC input with active PFC (90 - 264 VAC)
- Compatible with Lead Acid, Li-ion, Gel and Deep Cycle batteries
- Voltage/temperature compensation
- High efficiency and high reliability
- Protection against short circuit/over voltage/over temperature

Options
- Remote control panel type BCRC
- Battery temperature sensor BCTS

BC12... **BC24...**

Type	Dimensions W x H x D (mm)	Standard Boost Charge Voltage (DC)	Standard Float Charge Voltage (DC)	Max Rated Current (A)	Single Output Current Limit (A)	Number of Outputs
BC12252	205 x 84 x 259	14.4 / 14.7	13.8 / 13.5	25	25	2 (1)
BC12352	205 x 87 x 279	14.4 / 14.7	13.8 / 13.5	35	35	2 (1)
BC12503	237 x 90 x 288	14.4 / 14.7	13.8 / 13.5	50	40	3
BC24253	237 x 90 x 288	28.8 / 29.4	27.6 / 27	25	25	3
BC12803	237 x 90 x 328	14.4 / 14.7	13.8 / 13.5	80	40	3
BC24403	237 x 90 x 328	28.8 / 29.4	27.6 / 27	40	40	3

Battery splitter

For optimal charging and maintenance

VETUS battery splitters charge two or three battery banks simultaneously from any charging source with having negligible voltage drop due to the use of mosfet transistors instead of diodes. One discharged battery cannot discharge another battery. This battery splitter ensures automatic distribution of the charging current from the alternator and/or battery charger. At the start of the engine, the alternator will automatically recharge all battery banks. VETUS battery splitters have an auxiliary connection which gives feedback to voltage sensed alternators.

Specifications
- Suitable for 12 and 24 VDC installations, two to three battery banks, one or two alternators
- Maximum charging current 150A
- Input 8-30 VDC

Type	Number of inputs	Number of outputs	Maximum charging current (A)	Input Voltage (DC)	Weight (kg)
BS1502C	1	2	150	8-30	1,0
BS1503C	1	3	150	8-30	1,2
BS15032C	2	3	150 (2x)	8-30	1,3

BS1502C **BS1503C** **BS15032C**