

ACTIVA TWIN 15A

/ The multi-circuit battery charging system



/ This battery charging system is ideal for installation in a vehicle to ensure that the vehicle will be ready for action right away, even when it has been standing for a long time. The Activa Twin has two charging circuits, enabling several batteries of different capacities to be charged. Its intelligent electronic system monitors the charging processes, evens out differing charge states when batteries are connected in series and prevents premature failure due to unbalanced charging. The pre-programmed charging characteristic guarantees the correct charging current for the capacity and condition of the battery.

PRODUCT INFORMATION

- / Based on Active Inverter Technology
- / Universal - for all batteries: conventional lead acid, lead calcium/silver or sealant type (AGM, MF) batteries, and maintenance-free lead gel batteries.
- / Automatic 12 V / 24 V battery voltage detection
- / Charge status, fault and start/stop are indicated on the LED display
- / Plug-in charging and mains cables
- / Highly efficient cooling system ensures stable operation
- / Both battery and vehicle are 100% safe thanks to short-circuit protection, active reverse polarity protection, active mains voltage monitoring, automatic open circuit voltage detection (when changing a battery) plus charge phase monitoring (for faulty battery)
- / Charging of deeply discharged batteries possible
- / Up to 96% energy efficiency

OPTIONS

- / FireCAN communication interfaces and a floating contact are used to transfer data between the battery charging system and the vehicle's electronic system; these are active in drive, standby and charge modes. The FireCAN option transmits device status and battery voltage, and can detect the following problems: reverse polarity, short circuit, battery error, charging error. The integrated error memory stores the ten most recently encountered errors.
- / The temperature-controlled charging option reduces water consumption and increases battery service life.
- / USB interface for updating battery charging system software.



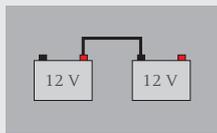
APPLICATION AREAS

Emergency vehicles, commercial vehicles, boats, caravans, etc.



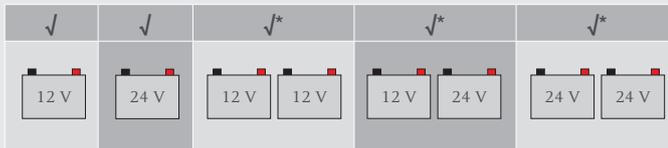
APPLICATIONS

/ When setting up a 24 V vehicle electrical supply from two 12 V batteries connected in series, the Activa Twin ensures



that different charge statuses are evened out even if different loads are placed on the two batteries by 12 V and 24 V consumers.

/ The Activa Twin can also be used with different battery combinations:



* With these battery combinations, different charge states cannot be evened out, and the batteries can be charged in sequence.

TECHNICAL DATA TWIN 15A

Charging current	15 A
Battery capacity	50 – 300 Ah
Battery voltage	12 V / 24 V
Mains voltage +/- 15%	230 V
Charging characteristic	IUoU (with pulse charge conservation)
Degree of protection	IP 40 (horizontal) / IP 44 (vertical)
Dimensions (L x W x H)	247 x 184 x 88mm / 9,72 x 7,24 x 3,46 in.
Weight	2,26kg / 4,98 lb.
Marks of conformity	CE, ECE
Mains fuse protection	16 A
EMC emissions class	B

/ Battery Charging Systems / Welding Technology / Solar Electronics

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