



the new DC/DC NE325

# A new challenge

Following the launch of the new NE355 and NE356 fuse boxes that, with the new DC/DC NE325, will enable connection to vehicles with smart alternators, Nordelettronica is all set for the Euro 6 challenge. With an extended product range, the Treviso-based company is preparing to enter the US market.

*Words Andrea Cattaneo*

Times are ever-changing, evolution is constant, and within the complex organism that is a motorhome, changes to just one element can lead to a cascade of modifications to a huge range of components. We must, therefore, be ready for change, with efficient, precision solutions: and Nordelettronica is offering exactly that with the new NE355 and NE356 fuse boxes (together with the new DC/DC NE325), designed to face the challenge of the new Euro 6 engines and smart alternators. Throughout its 40 years of activity in the RV sector, the Italian firm has always managed change effectively, and the decision to replace its NE185 and NE196 workhorses with new devices able to better interface with updated mechanical bases is a key part of this: the new NE355 and NE356 fuse boxes are capable of managing all body computer signals with smart alternators and start-stop technology. And the new NE325 DC/

DC converter is a key addition to this, available in 25A and 40A power versions (with the latter also recommended for powering the refrigerator), a definitive solution to the

problem of battery charging whilst the vehicle is in motion. One important technical aspect: the DC/DC has the ability, like the NE287 battery charger, to control the out-





## Battery Charger NE287 - Technical characteristics

Model:	NE287 17A	NE287 21A
Input:	220-240V 50/60Hz 2A	220-240V 50/60Hz 2,2A
Battery nominal Voltage:	12V	
Maximum current output:	17A	21A
Battery capacity:	no less then 100Ah (C20)	
Setting of the charging curve:	4 algorithm	
Fan with modulated speed:	no	yes
Visual indicator:	three colour LED	
Remote signal for mains (line):	yes	
Protection:	IP20	
Dimension: ( L x P x H):	167 x 170 x 73 mm	
Weight:	1,5Kg	



put voltage according to the battery temperature. Already on the market, the new DC/DC NE325 is enjoying great success with Nordelettronica customers.

*"Updating our products is essential to keep up with the changes", says Alessandro Chies, Nordelettronica Director, "and with the NE355 and NE356 fuse boxes, we have certainly taken a step forward. After all, Nordelettronica has always valued innovation, and we can count on an outstanding R&D department that has allowed us to constantly increase our know-how over all these years. Recent developments have allowed us to diversify our business: the motorhome sector continues to play a leading role, but we are also looking outside the RV market. Thirty years of experience in producing battery chargers has allowed us to break into the industrial cleaning sector by supplying our products to major foreign companies and the leading manufacturers of floor washing machines in Italy. To date, the impact on our turnover is 25%. The indirect exporting of our products practically worldwide is also possible thanks to their cTUVus type approval (for the US/Canada market and beyond). The development of new battery chargers in the IP65 (waterproof) class too, with power up to 1kW, will allow us to present ourselves on the North American market by exhibiting at the biggest North American industrial cleaning*

*event, the Issa Show North America (Las Vegas, 18-21 November). Almost all the industrial cleaning battery chargers already use curves for lithium batteries, and are able to communicate via the CAN communication protocol".*

With regard to lithium batteries, the NE287-LI 17A and 21A battery charger and the DC/DC 25/40A offer the option to select (via dip-switch) a generic lithium battery profile, which covers most monobloc lithium batteries on the market today. All that is required is to check the compatibility of the device with the battery prior to use (the battery manufacturer indications must be read carefully). The NE287 battery charger also has charge voltage control in line with the battery temperature (Pb/GEL/AGM) with the ability to stop the charge completely if necessary. Product refinement and investments in the two production sites have allowed Nordelettronica to look to the global market with interest: the American market is a target of particular importance. The company boasts considerable production flexibility, stemming above all from the fact that all the key processes are carried out in-house, from R&D to logistics and, of course, production. The Nordelettronica technical department is able to design printed circuits and the components are fully managed and controlled internally. This is what is needed to support new and discerning customers.

## Company Profile

Nordelettronica, established in Italy in 1978, has always been focused on electronic equipment for the RV sector: from battery chargers for camper vans and low-voltage distribution module to electrical wiring and control panels. Outside of the caravanning sector, Nordelettronica makes wound components for industrial electronics, like switching and power transformers. Production has also focused on the industrial cleaning sector (floor cleaning machines). Study, design and manufacturing activities are performed in-house. This means considerable flexibility and solutions targeted to the customers' real needs. Having been re-organised in 2011 with the introduction of new partners, Nordelettronica has gained new momentum and the turnover has gone from 5.5 to 10.5 million Euro over the past seven years. Direct exports represent 30% of sales, with 70% of products sold to Italian companies, which in turn export at least half of their production. The production site in Arad, Romania, managed by the subsidiary SC Nordelectronica East srl, was added to the Treviso (Italy) site.

