

AL-KO Vehicle Technology Electronics quality current for service batteries

The new DC/DC converter NE325 stabilises alternator charging for lead, gel, AGM or lithium batteries and is available in 25 A or 40 A versions to protect battery health

In today's motorhomes, an increasing number of functions depends on service batteries, which are subjected to continuous and strenuous operation. However, thought is rarely given to the quality of the current from the engine alternator, which is important when it comes to protecting battery health. In response to this challenge, Nordelettronica - a brand of AL-KO Vehicle Technology Electronics Group – presents the new DC/DC converter NE325, designed to optimise the flow and voltage of direct charging current of the auxiliary battery.

Alternators, and those of Euro 6 engines in particular, often supply a charging voltage that is too low: a device like the DC/DC converter NE325 stabilises its flow, maintaining it constantly in the optimal charging range between 13.5 and 14.7 V. In the case of the increasingly widespread lithium battery, which has a lower internal resistance level, the converter is necessary to prevent short circuiting of the alternator, protecting the system from over-heating and preventing potential damage to these components.

The Nordelettronica NE325 converter is fitted with four different charging profiles and can power lead, gel, AGM and lithium batteries. A three-colour LED provides at-a-glance information on the operating status. Electric protectors are fitted against power surges, polarity inversion, short circuits, overcharging, over-heating and excess output current.

NE325 is available in two versions: NE325 25 A and NE325 40 A, respectively 25 or 40 Amperes of output current; the latter is also fitted with a cooling fan with speed modulated by the system. The DC/DC converter NE325 by Nordelettronica is compact in size and lightweight (167 x 170 x 73 mm and just 1.5 kg), for easy positioning and installation.

25 August 2023

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AL-KO Vehicle Technology Electronics (VTE), the European leader in electrical and electronic systems for caravanning applications, was born from the merger of CBE and Nordelettronica.

The AL-KO Vehicle Technology Group is a fast-growing, globally active technology group and a business unit of DexKo. With high-quality chassis and suspension components for trailers, leisure and commercial vehicles, as well as construction and agricultural vehicles, the group of companies represents the best in functionality, maximum comfort as well as innovations to ensure greater driving safety. Founded in 1931 the group today has around 3,500 employees and more than 40 sites worldwide. The company owns 17 international brands: AL-KO, Aguti, Bankside Patterson, Bradley, Brink, CBE, cmtrailer parts, De Haan, E&P Hydraulics, Fluid-Press, G&S Chassis, Hume, Nordelettronica, Preston Chassis, SAFIM, SAWIKO and Winterhoff. www.alko-tech.com

DexKo Global Inc. is the world's leading supplier of advanced chassis technology as well as chassis assemblies and related components with more than 130 years of experience in trailer and caravan components. DexKo Global was founded at the end of 2015 through the merger of Dexter and AL-KO Vehicle Technology. With its headquarters in Novi, Michigan/USA, the company employs around 7,000 people with more than 100 production facilities and distribution centers. www.dexko.com

PRESS RELEASE

Technical information

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Model	NE325 25 A	NE325 40 A
Input voltage	11-15 V DC	11-15 V DC
Maximum input current	37 A	48 A
Output voltage	13.5-14.7 V DC	13.5-14.7 V DC
Maximum output current	25 A	40 A
Types of batteries	Lead, gel, AGM, LiFePO4	Lead, gel, AGM, LiFePO4
Charging curves	4 profiles	4 profiles
Cooling fan	no	yes, with modulated speed
Operating indicator	3-colour LED	3-colour LED
Input/output connections	M5 clamps	M5 clamps
LIN-Bus connection	yes	yes
Other connections (NTC, D+, LIN input)	4-way connection Molex Mini Fit	4-way connection Molex Mini Fit
Protection	IP20	IP20
Dimensions (mm)	167 x 170 x 73	167 x 170 x 73
Weight (kg)	1.5	1.5

Other characteristics

Charging voltage compensation with battery temperature: upon request (option not available if with NTC connection)