PRESS RELEASE

Thanks to AL-KO Vehicle Technology Electronics the sun's power is under control

The solar regulator PRS350 with four charging profiles to adapt to any type of battery will make its début in Düsseldorf to recharge with maximum available power

The charging regulator is an indispensable instrument when it comes to correct motorhome photovoltaic installation operation. The CBE catalogue – brand of the AL-KO Vehicle Technology Electronics Group – includes an entire range of these devices, to be calibrated according to the power and number of photovoltaic cells in the system and the current to be managed.

The new solar regulator PRS350 is designed and built with innovative electronic technologies, characterised by high electrical efficiency and very low heat dissipation. PRS350 is suitable for the connection of photovoltaic modules for up to a maximum total power of 350 W, and can be connected to test panel PT742, for the control of battery charging and voltage.

The PRS350 regulator has four different charging profiles, including a specific one for lithium batteries, selectable by means of a specific switch. A battery desulphation refreshment function (for traditional AGM lead/gel models with the exclusion of the charging profile for lithium) automatically activates if necessary, to maximise battery duration. The four LEDs on the device provide information on the battery's state of charge, upon device switch-on, solar activation and in the event of any incorrect connection.

Fitted with two inputs for 12 V photovoltaic modules with a maximum rated voltage of 27 V in open circuit, it issues an output current of up to 20 A. Maintenance voltage varies from 13.5 to 13.8 V, according to the type of battery, whereas the end-of-charge voltage oscillates between 14.1 and 14.7 V, once more according to the selected profile and type of accumulator. The regulator ensures automatic switch-off in the absence of sunlight, thus zeroing absorption in self-consumption. The electronics are protected by the block for inverse current and polarity inversion.

The new regulator PRS350, together with all the latest innovations in the CBE catalogue, will be presented for the first time to the public at the Caravan Salon in Düsseldorf, from 25th August 2023, at the company's stand in Hall 14/Stand A6.

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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

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Technical information

Product	Solar regulator PRS350
Code	204480
Rated voltage	12 V
Maximum closed circuit voltage of photovoltaic module (VOC)	27 V
Maximum applicable power	350 W
Maximum output current	20 A
Number of photovoltaic inputs	2
End-of-charge voltage	14.1 V (A) - 14.3 V (B) - 14.7 V (C) - 14.5 V (Li)
Maintenance voltage	13.5 V (A) - 13.8 V (B) - 13.6 V (C) - 13.5 V (Li)
Number of charging profiles	4
Battery desulphation and refreshment	yes (excluding lithium charging profile)
Inverse current blocking device	electronic
Protection from polarity inversion	yes
Connection test panel	PT472
Self-consumption	0A (automatic switch-off in absence of sun-light)
Automatic switch-off	in absence of sunlight
Dimensions (mm)	115 x 90 x 37