

## **AL-KO Vehicle Technology Electronics: the new Full Black photovoltaic models are here**

**Together with the intermediate 140/145 watt intermediate module, the new elegant Full Black complete range will also be presented. It's going to be a hit among van owners as it offers a more modern and coordinated look with the vehicle**

CBE photovoltaic modules are also available in Full Black, as the name suggests. A detail of much greater significance today than in the past, perfect for achieving a different and coordinated recreational vehicle look. In particular, the Full Black modules will be appreciated by van owners, whose vehicles tend to be sportier in appearance, with metallic painted bodies, alloy wheels or high-impact design details.

Photovoltaic panels have almost become standard technical equipment for recreational vehicles. Low cost, not overly complex, making them easy to manage and environmentally friendly: an efficient and high-performance charging source. The panels are the first supply source for ensuring camper van batteries are in top form, in a win-win balance between cost and yield.

AL-KO Vehicle Technology Electronics, through its brand CBE, a historic leader of electric and electronic components for recreational vehicles, provides a full range of photovoltaic modules in its catalogue, to which new products will soon be added. Six models to be exact: three "classic" ones, in the natural anodised grey of aluminium (MF110 / MF145 / MF175) and three in the trendy Full Black version (MF105 / MF140 / MF170), in increasingly high demand on the market, now much more aware of aspects linked to the aesthetic impact of camper vans.

Made with PERC (Passivated Emitter and Rear Cell) solar cells, which ensure a higher level of conversion efficiency, while also providing additional technical advantages, such as a lower temperature coefficient, which in turn implies better performance, the CBE photovoltaic modules are built with an innovative manufacturing process. The special anti-reflection treatment and special high transmittance glass, resistant to knocks and atmospheric agents, have given rise to a high-performance photovoltaic module.

The backs of CBE modules are protected by a Tedlar sheet, a polyvinyl fluoride characterised by excellent chemical, electric and mechanical resistance properties, in addition to excellent UV ray barrier characteristics and resistance to atmospheric ageing. Thus the modules are protected from air and humidity infiltration, insulating electric contacts and preventing any oxidation. The module frame is made of anodised aluminium and the junction box installed on the back contains the by-pass diodes and cable glands needed for connection.

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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](http://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](http://www.dexko.com)

## PRESS RELEASE

The presentation of the updated range of CBE photovoltaic modules at major exhibition events towards the end of the summer, starting from the Caravan Salon in Düsseldorf, will mark the launch of the intermediate model in the catalogue, in the 145/140 watt versions (aluminium/ black).

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CBE photovoltaic modules are manufactured with state-of-the-art technologies and latest-generation standards. They comply with the most stringent requirements of European standards and are covered by a 25-year warranty on the declared power.

### Technical information for standard models

	<b>MF110</b>	<b>MF145</b>	<b>MF175</b>
Code	215981	215982	215983
Type	monocrystalline	monocrystalline	monocrystalline
Number of cells	36	36	36
Rated voltage	12 V	12 V	12 V
Max. power	110 W	145 W	175 W
Tolerance	+3%	+3%	+3%
Open circuit voltage	24.78 V	24.48 V	24.9 V
Short circuit current	5.68 A	7.54 A	9.06 A
Maximum power voltage	20.78 V	20.52 V	20.61 V
Maximum power current	5.33 A	7.07 A	8.53 A
Dimensions (mm)	1,062 X 530 X 30	1,116 X 670 X 30	1,320 X 670 X 30
Weight (kg)	6.2	8	9.5

### Technical information for Full Black models

	<b>MFB105</b>	<b>MFB140</b>	<b>MFB170</b>
Code	215981B	215982B	215983B
Type	monocrystalline	monocrystalline	monocrystalline
Number of cells	36	36	36
Rated voltage	12 V	12 V	12 V
Max. power	105 W	140 W	170 W
Tolerance	+3 %	+3 %	+3 %
Open circuit voltage	24.75 V	24.25 V	24.86 V
Short circuit current	5.46 A	7.35 A	8.78 A
Maximum power voltage	20.75 V	20.32 V	20.62 V
Maximum power current	5.1 A	6.89 A	8.25 A
Dimensions (mm)	1062 X 530 X 30	1116 X 670 X 30	1320 X 670 X 30
Weight (kg)	6.2	8	9.5