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Schaudt boosters: indispensable on motorhomes with EURO 6 engines

Markdorf, Germany – Schaudt GmbH Elektrotechnik & Apparatebau is a leading supplier of electronic controls and energy management systems for the European Caravan Industry. Located in Markdorf, Germany, Schaudt, acquired by Lippert in April 2021, has been supplying the recreational vehicle market in Germany and throughout Europe for over 40 years. Schaudt has, therefore, proven to key European caravan manufacturers over many years that it delivers innovative power supply systems, boosters, controlling solutions, indicator panels, and linking all of these systems and making them completely expandable. These products are setting new standards within the industry.

Among the latest additions to the Schaudt catalogue is the WA 12545 booster which expands its range of service battery charging optimizers for motorhomes alongside the less powerful WA 12525.

The Schaudt boosters are designed for optimal charging of lead acid, lead gel, AGM and lithium batteries LiFePO4 while driving motorhomes with 12 V systems. These are extremely efficient products especially for vehicles with EURO 6 engines which have alternators designed for energy-saving charging. In these cases, the charging voltage fluctuates strongly according to the driving conditions, and without a booster, the charging is inefficient.

The booster is a switch mode-up/step-down converter that compensates for the fluctuating alternator voltage and provides a high charging current. If there is an alternator signal “D +”, it goes into operation with a very high level of efficiency. A built-in fan is very quiet and only runs at high performance. When a battery temperature sensor is connected, the charging voltages are adapted to the battery temperature.

But even if a traditional alternators is being used, the recharging of the service battery is significantly improved by using the booster. In particular, in the case of long charging cables, the charging current is much higher; and in the case of AGM batteries that require a charging voltage of 14.7 V, the use of a booster is essential.

On the WA 12545 model, the maximum charging current can be selected from four values: 45, 55, 63 or 70 A.

TECHNICAL FEATURES

Model	Output Current	Input Voltage	Output Voltage	Reverse Current	Weight	Dimensions (HxLxW)
WA 12545	45 to 70 A	12 to 15 V	13,4 - 14,7V	< 0,2 mA	1150 gr	73 x 170 x 193 mm
WA 12525	20 to 30 A	12 to 15 V	13,7 - 14,7V	< 0,4 mA	410 gr	59 x 148 x 95 mm



About Lippert

From over 90 manufacturing and distribution facilities located throughout North America and Europe, Lippert™ supplies a broad array of highly engineered components for the leading manufacturers of RVs and prefab homes. It also operates in adjacent markets, including marine, bus, industrial vehicle and trains. Lippert™ also serves a wide range of aftermarket segments, providing high quality products for the caravanning, automotive and marine industries. With over 14,000 team members, and a diverse portfolio of best-in-class brands, Lippert™ adopts a team-based business philosophy and has proven that, by putting people first, the possibilities for growth and development are truly endless.

Always moving forward. Always making your experience better.

About Lippert RV Europe

In 2018, Lippert™ concentrated its activities in Europe in the recreational vehicle sector by creating the Lippert RV Europe division, based in San Casciano Val di Pesa (FI) in Italy. Here, in addition to the production plants and administrative offices, there is the central commercial division that coordinates all the European offices in the caravanning sector, including the Dutch brand Polyplastic, which joined the group in 2019. Lippert™ produces in Europe, components and accessories for the original equipment on recreational vehicles and for the aftermarket, such as: slide-out systems; pop-up roofs for vans; plastic and aluminum framed and frameless windows; bike racks for motorhomes and vans; variable height bed systems; electric and manual access steps; entrance and locker doors; table legs; blinds and mosquito nets; TV stand brackets.

For more information:

Francesca Tompetrini – Marketing coordinator

ftompetrini@lippertcomponents.com

Lippert, Rv Europe

Via Etruria 1

50026 San Casciano Val di Pesa (FI) – Italy

Phone: +39 055 8293411

www.lippertcomponents.eu

www.facebook.com/LippertEurope