

*Low-cost, green garage door openers from Berner*

## Opening efficiency

Saving energy is the most important current topic for around 23.36 million Germans. This is according to a survey conducted by the Allensbach Institute in 2013. However, no energy is not an option either. Who jumps happily out of the car to open the garage door in the pouring rain? The GA203 and GA403 openers from Berner Torantriebe provide the solution. Both of these "guzzle" just 2.9 kWh, equating to just under €1 per year under normal operating conditions. This has also been confirmed to us by TÜV Süd. The CO<sub>2</sub> emissions are also very low at just 2 kg. The potential to save money and emissions across the whole of Germany is huge. Around 7 million family homes in Germany have garages with electric doors; many of these require a great deal more energy.

The EU has already been fighting power-guzzling devices in daily life for years. According to the Ecodesign Directive of 2009, manufacturers must plan and design products in a more energy-efficient way. This is expressed in laws such as the prohibition on bulbs over 10 watts that led to outrage and hoarding. Some wonder whether the Commission has nothing better to discuss. However, small measures taken during production can have a great effect. The EU estimates that using LED lamps instead of filament bulbs saves €9.3 billion and 23 million tonnes of CO<sub>2</sub> in private households alone.

Berner Torantriebe, based in Rottenburg, is also setting an example thanks to its quality GA203 opener for private use and the GA403 opener for use in underground car parks with up to 25 parking spaces. With a push and pull force of up to 750 newtons, the former is suitable for door sizes up to 12 m<sup>2</sup>. The GA403 has a force of 1000 newtons and is therefore able to open doors of up to 15 m<sup>2</sup> effortlessly. Both openers have been certified to have a consumption of less than 0.5 watts, which currently costs around 1 € per year. The TÜV Süd test report in September 2013 confirmed this. The basis of the calculation was 24 hours in stand-by mode and five door movements per day.

There is a great deal of potential for industry professionals here. This is because saving energy is one of the factors that builders must consider in the private and professional sectors. Electricians, door specialists and metalworkers are often consulted on this matter. The Berner openers provide users with low-cost convenience. Our competitors' openers can consume up to 9 watts. This corresponds to 80 kWh at €24 per year for normal stand-by and operating times. Therefore, the annual energy requirement of our competitors' openers is 27 times higher than that of the Berner units. The power costs for a Berner opener will be €345 lower within 15 years.

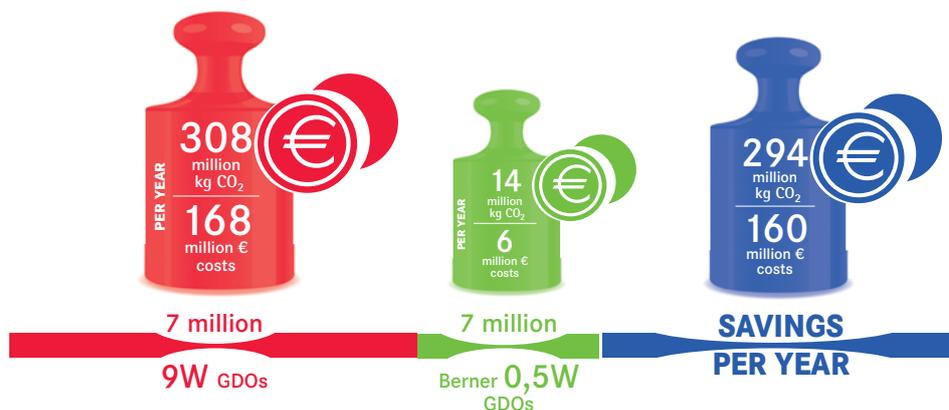
There are currently around 7 million electrically-operated garage doors in use across Germany. This indicates the potential sales figures. If these all used the Berner units instead of the more common 9-watt openers, Germany would save €162 million in electricity per year. In addition, 294 million kg

less CO<sup>2</sup> would be emitted into the atmosphere, which would help greatly to counteract the greenhouse effect.

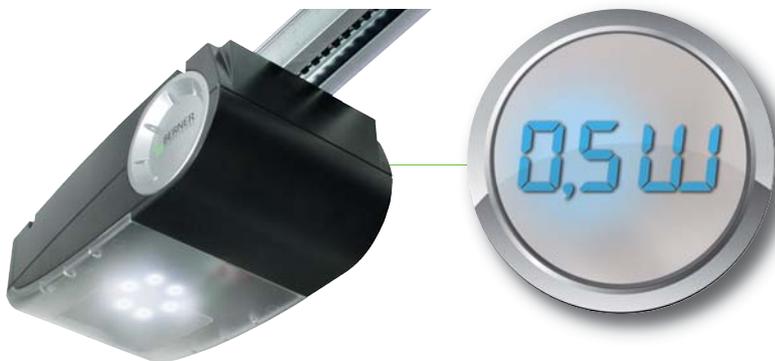
Furthermore, the Berner openers are highly convenient. They raise and lower the doors quickly, have a ventilation mode and score highly with their LED lighting that is economic (in compliance with the EU Directive) and that illuminates garages brightly at the same time. All-in-all, both variants are functional and safe, and offer high performance combined with low consumption. This lowers costs and is good for the environment.

For more information, see [www.berner-torantriebe.eu](http://www.berner-torantriebe.eu).

## There are 7,000,000 GARAGE DOOR OPENERS (GDO) IN GERMANY



Standard garage door openers consume 27 times more power than Berner openers. If we opened and closed all garage doors in Germany using the Berner 0.5-watt openers, the country could emit 294 million kg less CO<sup>2</sup> into the atmosphere and save €162 million in electricity.



Convenient and efficient: The Berner GA203 and GA403 raise and lower the doors quickly, have a ventilation mode and economical LED lighting. They are functional, safe and offer high performance with an unbeatable consumption of less than 0.5 watts, which costs less than €1 per year.