

# ELECTRIC VANS

SOLAR INTEGRATION

Info Sheet





**SONO SOLAR**

# Significant Potential of Solar Integration for Electric Vans

**SOLAR INTEGRATION ADDRESSES THE CURRENT INDUSTRY CHALLENGES:**

- Range and operating hour limitations for battery-driven vehicles
- Increasing energy prices for power from the grid
- Investment costs for high speed charging infrastructure combined with personnel costs and idle time for charging

**BENEFITS OF SOLAR-INTEGRATION:****REDUCED COSTS**

of energy compared to power from the grid, thereby reduced TCO

**SUSTAINABLE**

solar energy for reduced urban emissions and extended battery lifetime

**EFFICIENT**

for extended range, longer operating hours and fewer charging cycles

**UP TO 117%\* ENERGY COST SAVINGS AND NO OR ONLY LIMITED CHARGING NECESSARY**

**UP TO 117 KM\* EXTENDED RANGE PER DAY FOR AN E-VAN IN MUNICH**

\* Internal Calculations

## SONO SOLAR

# The One-Stop Shop for Solar Integration



### HIGH ENERGY EARNINGS

For an electric cargo box van sides & roof:  
up to 23.4 kWh/day\*

\* under peak conditions in Munich



### LIGHT-WEIGHT

3-6 kg per sqm, with further  
reductions planned



### THIN SOLUTION

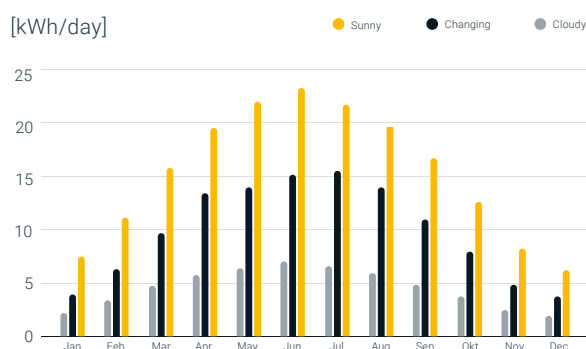
~3.5mm PV panels



### INTELLIGENT POWER ELECTRONICS

for best-in-class energy yields

### ENERGY GENERATION



### UNIQUE EXPERTISE

both in automotive and photovoltaics



### CUSTOMIZED INTEGRATION

with a range of PV applications

**SONO SOLAR IS A ONE-STOP SHOP FOR TRANSFORMING YOUR VEHICLES INTO SOLAR ELECTRIC VEHICLES VIA THE COMBINATION OF OUR INNOVATIVE TECHNOLOGY AND EXPERTISE.**

We offer a complete solution, and we partner with you from a first-step prototype to series production and after-sales service.

- Full E/E integration for charging the main battery
- High efficiency solar panels
- Intelligent power electronics
- Telematics & data service
- Customized hardware integration
- After-sales service





## ABOUT SONO MOTORS

Sono Motors is on a pioneering mission to accelerate the revolution of mobility by making every vehicle solar. Sono Motors' disruptive solar technology has been engineered to be seamlessly integrated into a variety of vehicle architectures – including buses, transporters, refrigerated vehicles, and more – to extend range and reduce fuel costs as well as the impact of CO<sub>2</sub> emissions, paving the way for climate-friendly mobility.

---

## SONO MOTORS GMBH

Waldmeisterstrasse 76  
80935 Munich | Germany  
**T** +49 (0)89 45 205 818  
**E** [solar-integration@sonomotors.com](mailto:solar-integration@sonomotors.com)  
**W** [sonomotors.com/solar-integration](https://sonomotors.com/solar-integration)

VAT DE305560734  
District Court Munich HRB 224131  
Managing Directors: Laurin Hahn, Jona Christians,  
Torsten Kiedel, Thomas Hausch, Markus Volmer  
© Sono Motors 2022

## CONTACT US



**SUSANNE DACHS**  
Senior Business Development Manager  
**E** [susanne.dachs@sonomotors.com](mailto:susanne.dachs@sonomotors.com)  
**T** +49 157 85154914