

# THE SOLAR BUS KIT

SOLAR SOLUTION FOR DIESEL BUSES

Information Sheet



**SONO SOLAR**

# Great Potential of Solar Integration for Diesel Buses

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

- High energy demand for heating, ventilation, and air conditioning (HVAC) in addition to other energy consumption units
- Increasing diesel fuel prices
- Regulation of emissions for diesel systems and urban pollution

**BENEFITS OF SOLAR INTEGRATION:****TOTAL COST OF OWNERSHIP (TCO)**

reduced energy costs compared to diesel

**SUSTAINABLE**

mobile energy supply for reduced urban emissions

**FUNDING**

potential for government grants and subsidies

**UP TO 1,500 LITERS OF DIESEL SAVINGS PER BUS PER YEAR**

**UP TO 4 TONNES OF CO<sub>2</sub>-EQ SAVINGS PER BUS PER YEAR**

## SONO SOLAR

# Harness the Power of the Sun to Save on Fuel and CO<sub>2</sub>



### TECHNICAL HIGHLIGHTS

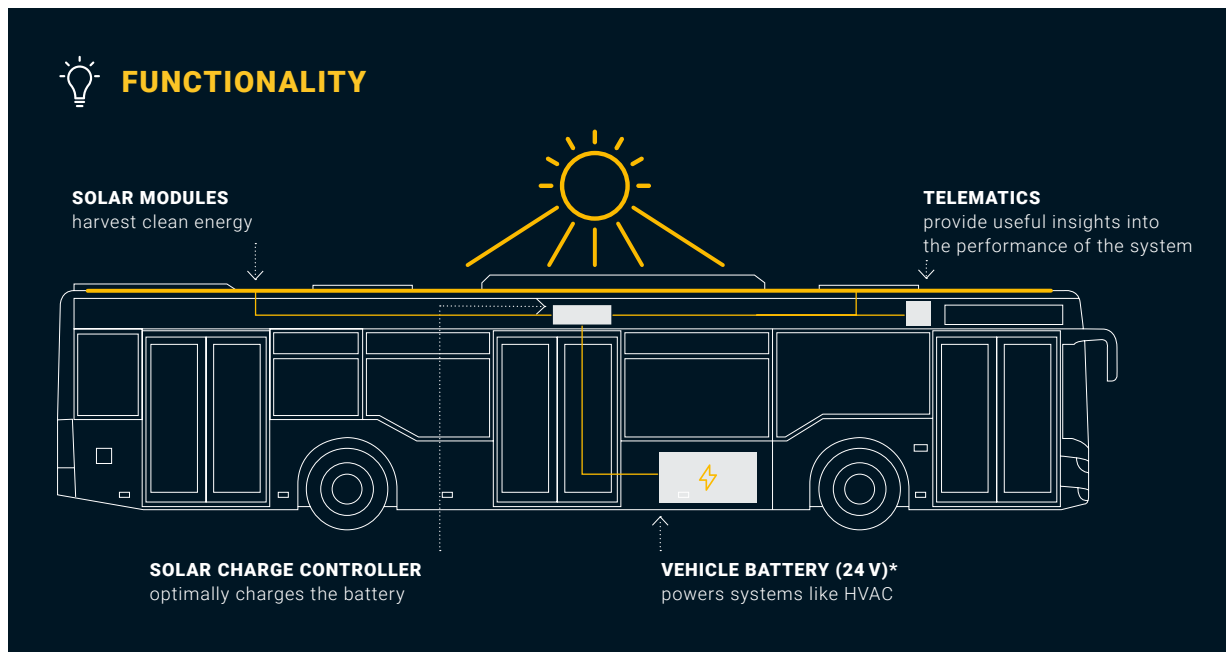
- Lightweight and robust
- ~1.4kWp installation
- ~8 sqm of semi-flexible solar modules (3.5 mm)
- Intelligent solar charge controller
- Standardized for 12m city buses
- Fast installation time per bus



### ENERGY EARNINGS & SAVINGS\*

- 3.5kWh (average), 5.2kWh (summer average) in Munich
- up to 1,500 L diesel savings per bus/ year
- up to 4,000 kg CO<sub>2</sub> savings per bus/ year
- Expected return On Investment (ROI): ~3-4 years
- Possible subsidies & government grants

\* all numbers based on Internal calculations, actual numbers may vary



\* Battery not included in the offering

\* CO<sub>2</sub> backpack: 1.1 metric tonnes



### ADDITIONAL SERVICES:

- Installation service
- 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, trucks, trailers, 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.

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## 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  
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## CONTACT US



**KILIAN LACKNER**  
Sales Manager  
**E** [kilian.lackner@sonomotors.com](mailto:kilian.lackner@sonomotors.com)  
**T** +49 157 855 218 49