

BUSES

SOLAR INTEGRATION

Information sheet



SONO SOLAR

Significant Potential of Solar Integration for Diesel & Electric Buses

SOLAR INTEGRATION ADDRESSES THE CURRENT INDUSTRY CHALLENGES:

- Range and charging limitations for electric buses
- Increasing energy prices for both power from the grid and diesel
- Regulation and standards on emissions for diesel buses
- Limits on urban pollution

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

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

**SUSTAINABLE**

solar energy for reduced urban emissions and extended battery lifetime

**EFFICIENT**

for extended range, longer operating hours, fewer charging cycles, and solar-powered HVAC

Ø 7.7 KWH* ENERGY YIELDS PER DAY FOR A 12M E-BUS

SAVINGS OF UP TO 1,500 LITERS* OF DIESEL FOR A 12M DIESEL BUS

* Internal calculations

SONO SOLAR

The One-Stop Shop for Solar Integration

**HIGH ENERGY EARNINGS**

12 m city bus with PV
 Retrofit Diesel Bus: Ø 3.5 kWh / day*
 Full Integration E-Bus: Ø 7.7 kWh/day**
 * Installation on roof, yearly average
 ** Installation on roof and shoulders, yearly average

**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 for LV and HV power supply

**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.

- 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, trucks, trailers, and more — to extend range and reduce fuel costs as well as the impact of CO₂ emissions, paving the way for climate-friendly mobility.

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