

SOLAR BUS KIT

Info Sheet

SONO  MOTORS



SOLAR BUS KIT

The **Solar Bus Kit** is a **ready-to-install solar integration** product specifically tailored for Buses, powering **electrical consumers like HVAC** and charging the **vehicle battery**

**Up to 2000 kWh of
solar energy
energy per bus
and year**

**Fuel savings of
3% and more
depending on
region and city**



Solar integration addresses the current challenges in public transport:

- High energy demand for heating, ventilation and air conditioning (HVAC)
- Increasing diesel and energy prices
- Urban pollution

The Solar Bus Kit - made for retrofitting and original equipment



**TOTAL COST OF
OWNERSHIP (TCO)**

diesel and energy savings by
reduced alternator load



SUSTAINABLE

mobile energy supply
for reduced urban
emissions

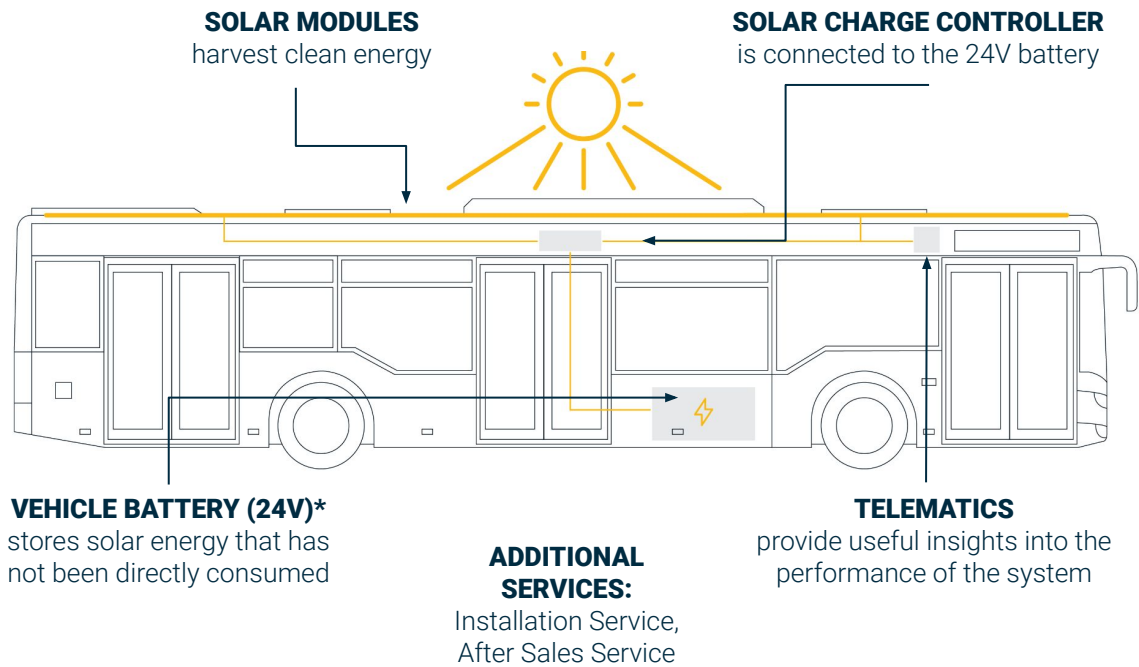


FUNDING

the Solar Bus Kit may
qualify for local clean air
funds.

Harness the Power of the Sun to save on Fuel and CO₂

SYSTEM OVERVIEW



TECHNICAL HIGHLIGHTS

- 16 monocrystalline Si-Solar-Modules (cell efficiency 22%) deliver ~1.4 kWp power
- 8 channel MPPT** solar charge controller, specially designed for solar on vehicles
- Solar Yield Monitoring and system control via telematics & dashboard
- Safety first. Electrical system voltage stays under all conditions below 60V.
- Thin, robust and lightweight: in total <50 kg
- Fast installation time, suitable for various bus roof layouts

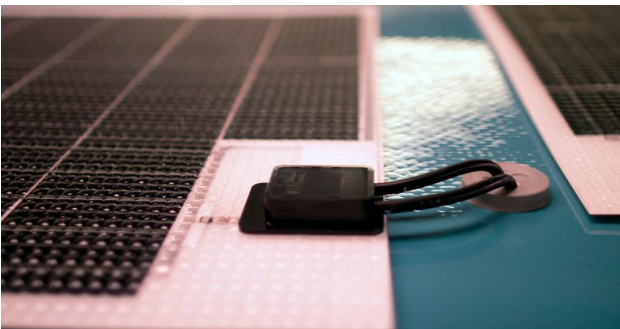
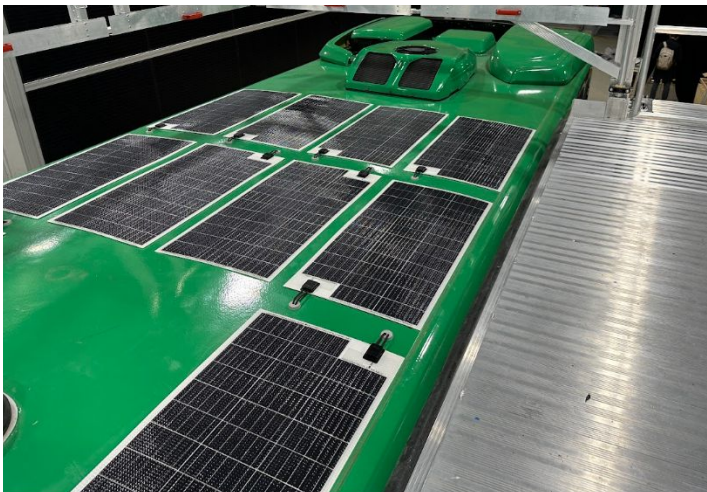
ENERGY EARNINGS & SAVINGS***

- 3.5 kWh (average), 5.2 kWh (summer average) in Munich, per Kit per day
- Payback time of 3-6 years depending on region and order volume
- directly supplying 24V bord net consumers and battery with high efficiency
- Enhanced battery lifetime
- ~ 3% diesel savings for Munich; even more in Southern regions
- Possible subsidies & government grants

The Solar Bus Kit - **Ready for delivery**



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ABOUT SONO MOTORS

Sono Motors has been pioneering in developing solar integration technology for vehicles to propel their Solar Electric Vehicle - the Sion - with highest efficiency. The technology has now progressed to enable more sustainable mobility for a variety of commercial vehicles — including buses, trucks, trailers — to reduce CO2 emissions and provide added value by the abundant energy of the sun.

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