

PRECER

*Solid **Biofuel-Powered** Vehicle Technology*

PRECER provides the possibility to significantly improve the economy and environment aspects of vehicles today. The technology offers a power and heat generation system which is optimized to have an environmentally friendly impact.

PRECER power and heat system solutions give the required jumping-off point to the next and necessary steps of vehicle production. This is done by using environmental biofuel that is compliant with all future vehicle requirements.

PRECER's pioneer solutions extend over the entire driving rope from fuel, engine as well as propulsion to the exhaust system, adapted to any common kind of vehicle used today.

PRECER provides the expertise and solutions in order to innovate existing and future fleet of vehicles, using environmentally friendly solutions. By using PRECER solutions all vehicle manufacturers are able to offer great benefits to their customers thanks to more profitable and environmental advantages compared to other alternative solutions on the market.



Expanded Opportunities

With PRECER's technology completely new opportunities open up, not just with regards to generation of electricity in vehicles. It is suddenly possible to use domestic raw materials that do not require refining. The low environmental impact and the cost savings it entails will make the vehicle able to supply electricity, for example, to peoples' recreational dwellings.

The simple handling of the fuel, furthermore, facilitates the distribution to the extent that it is possible to purchase the fuel in an ordinary grocery store.

- **Light and medium vehicles**
- **Heavy vehicles**
- **Power generation system**

Precer Bioracer



Benefits

- Unique solid biofuel-powered vehicle technology
- Performance of the vehicle can be adjusted in the system to customer requirements e.g Economy/Sport
- Reverse Buzzer option
- Fail-safe circuit functionality
- The system's Stirling engine has no oil inside, this eliminates the need for any oil and filter changes
- 230 V guest power output
- Voltage, current and kWh - fuel gauge display. Realtime operating conditions Panel, with control system for battery management, charging control, heat and burner management and self-diagnostic.
- Drivetrains: 2 or 4 wheel drive depending on customer configuration

Specifications

Dimension:	2920 (L) / 1620 (W) / 1515 (H) mm
Wheelbase:	2250 mm
Weight:	398 kg *
Suspension:	Dual A-arms/swing arm
Brakes:	Front/rear twin discs (configurable)
Engines:	<ul style="list-style-type: none">• Hybrid pellet engine (Stirling)• Electrical drive chain
Electrical Engine Effect:	Depending on customer configuration. Example; 12kW low entry version
System Voltage/Effect:	24 V - 96 V * Output 230 V (500 W-2000 W) * Output 12 V optional *
Battery Configuration:	100 Ah - 400 Ah *
Secondary recharging:	Onboard charger using a standard plug (10 A)
Fuel:	Pellet
Fuel Consumption:	Appr. 1 kg/10 km*

* depending on customer configuration

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This document may be subject to change without notice.

Precer Data Sheet D

Precer Bioracer is converted from PGO Bugaracer 500i.