



E-STOVE

Micro combined heat and power wood plant

10 - 20 KW for central heating and domestic water with wood logs

Generates up to 250 watts
Maintenance-free and silent

No grid connection?
E-Stove is an Emergency Power Generator as well



Developer and producer:

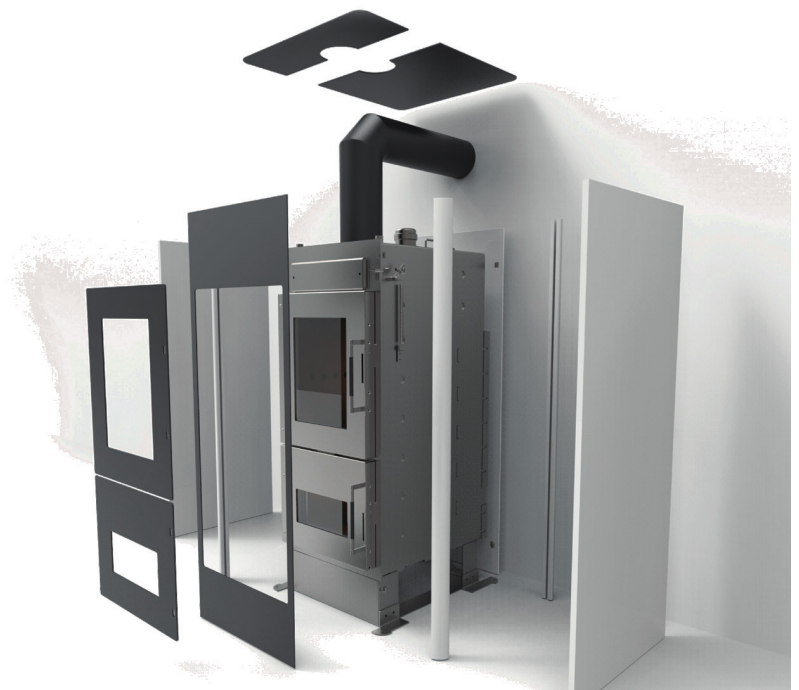
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E-STOVE

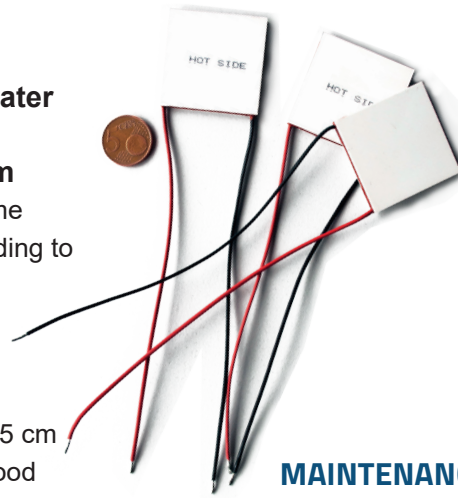
POWER, HEAT, DOMESTIC HOT WATER FROM THERMOELECTRICITY AND WOOD GASIFICATION

YOUR ENERGY BENEFITS

- **250 watts electricity from TEG**
- Low voltage ideal to charge PV battery banks
- Perfect generator for off grid operation or as emergency back-up

10-20 kW for heating and domestic hot water due to wood gasification technology, in conjunction with a central heating system

- Comfortable warmth for every room in a home
- Pleasant interplay of flames – perfect for adding to the ambiance in a living room or hallway
- Up to 3 kW in the room
- Combustion efficiency >90%
- Reduced exhaust emissions
- 60-liter combustion chamber for logs up to 35 cm
- 3-4 hours of burn time with one charge of wood
- Integrates easily with PV systems
- Flue gas connection – 150 mm
- Low exhaust gas temperature
- Weight (empty) 350 kg
- Many varieties – a boiler for the mechanical room is forthcoming



MAINTENANCE-FREE AND SILENT

Unlike conventionally operating CHP with service intensive conventional motors, thermoelectric generators (TEG) are completely maintenance-free and function silently.

TEG AND SPACE TECHNOLOGY

TEG were developed for space probes for deep space travel such as Voyager. TEG have no moving elements in contrast to other electricity generating devices. Therefore they are extremely reliable.

PERFECT EMERGENCY GENERATOR AND MADE FOR ISOLATED OPERATION

When conventional heat sources fail and the electricity supply is interrupted, the CHP will always provide a comfortable warm feeling at home thanks to its comfortable wood fire. TEGs will generate enough electricity to power most essential appliances and lights as well as charge a battery bank.

All in all the CHP can be used for autonomous energy generation in conjunction with solar or wind power.

