

Malte GenSet



Malte manufactures custom off-grid charging solutions in the form of container units. They are designed to fit the Malte Retail Chassi to optimize capacity and design while enabling European transport without a companion car. Our mission is to address the challenge of limited capacity in the electrical grid, particularly when it comes to charging heavy electric vehicles.

Our container solutions, equipped with integrated generator functions, provide a convenient way to establish off-grid charging locations for trucks and smaller vehicles. Malte GenSet is a robust charging unit with a capacity of 240 kW, capable of charging two positions at 120 kW each, ideal for heavy trucks and construction equipment such as excavators and bulldozers. In cases where local grid connectivity is available, this unit can seamlessly boost its power capacity when additional loads are connected. Additionally, it utilizes methanol as a new and sustainable fuel source with limitless availability in the future.



Movable

Charging station

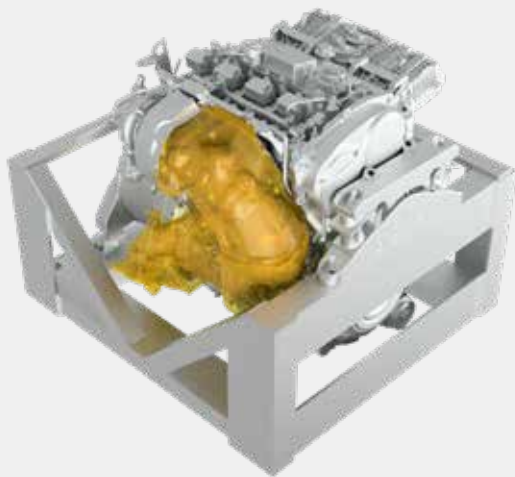
Generator solution

Off-grid charging

Methanol as fuel

Custom branding

- Fully autonomous movable charging station
- Quick commissioned in 8 hours
- Built to European safety standards and EN 60079-10 (ATEX)
- Made to order and customizable
- Feature squared tanks for optimized fuel storage



Standard features

- Maximum capacity of 600 kVA
- Standard methanol storage volume: 3 m³ (Coated tank for methanol)
- Squared double-wall fuel tank (4 mm steel)
- Manhole (600 mm), for inspection
- Tank painted in C3 quality
- Pipe system in black steel
- Suction line (1")
- Fuel loading (2")
- Venting (1 1/2") with flame arrester
- Manual level gauge
- Drip-Free couplings (DN 25)
- 100% Methanol
- Liquid with normal pressure
- Easy supply chain
- Steam turbine
- Off-Grid capability
- Customer design

Optional features

- Choice of exterior colors
- Roof hatches
- Malte Level Gauge System
- Loading room in the rear
- Transfer pumps
- Pipe system in stainless steel
- Additional options available upon request

Dimensions

- Width: 2 990 mm
- Height: 3 400 mm
- Length: Depends on specification, maximal length 15 000 mm