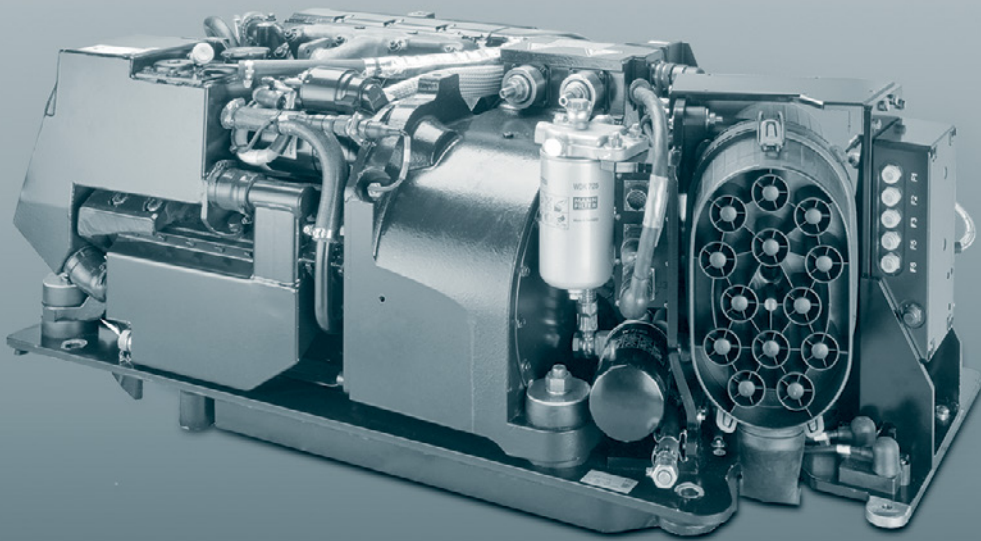




# VINCORION®



DURABLE QUALITY. SAFE.



## VINCORION AUXILIARY POWER UNITS. CONTINUOUS, SECURE POWER FOR MILITARY VEHICLES.

### Reliable power anywhere, with durability and flexibility.

On a mission, you need a dependable back-up source of power for myriad reasons, e. g. for charging batteries or running the air conditioning – without relying on the main engine. VINCORION auxiliary power units (APUs) and generator sets provide military vehicles and mobile platforms with electrical energy that is tailored to the individual on-board system or other electricity-consuming devices, such as drives. The auxiliary power generator set is a robust and compact combination of a diesel engine, alternator, and rectifier. A true advantage is that it generates power

in line with the pertinent requirements of the vehicle and converts this power to the voltage of the on-board system.

Our APUs assume responsibility for the power supply independently of the vehicle's main engine – enabling fuel savings, as the main engine doesn't need to be running in order to operate your on-board systems, thanks to a permanent magnet generator directly mounted on the engine. And our APUs are extremely quiet – allowing you to operate your vehicles and platforms in “silent watch mode.”

# SECURING THE SUPPLY OF ELECTRIC ENERGY. EVEN WHEN THE VEHICLE ENGINE IS OFF.

## THE BENEFITS SPEAK FOR THEMSELVES:

- **Reduction in fuel consumption:** Due to highly energy-efficient operation
- **Significantly less wear and tear on the main engine of the vehicle, longer maintenance intervals, and thus higher availability of the vehicle:** Thanks to a power supply for the vehicle even when the main engine is not running
- **Support of silent watch mode:** Thanks to low noise signature
- **Flexible adjustment to specific customer needs:** Adaptable to vehicle compartment thanks to modular design

- **High power density for peak performances:** Thanks to the flywheel generator
- **Fits easily into most vehicle compartments:** Compact design with minimum weight
- **Extreme reliability:** Equipped with a permanent magnet generator, directly mounted on an engine

## FIELDS OF APPLICATION:

- Battery charging
- Air conditioning operation
- All devices that are not directly connected to the vehicle

Technical Specifications	8 kW	17 kW
Nominal output	8 kW	17 kW
Nominal voltage	28 V DC	28 V DC
Nominal current	285 A at approx. 3,000 rpm	610 A at approx. 3,600 rpm
Coolant	Air cooling	Liquid cooling
Weight	Approx. 98 kg	Approx. 270 kg (engine generator unit approx. 200 kg)
Dimensions (L × W × H)	Approx. 486 mm × 579 mm × 372 mm	Approx. 1,100 mm × 462 mm × 415 mm
Military standards	MIL-STD-461F, MIL-STD-1275D, MIL-STD-810F	
Fuels	Kerosene (F-34/ F-63), diesel (F-54)	



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