



# VINCORION



TACTICAL POWER. HIGH EFFICIENCY.



DEFENSE

## TACTICAL POWER SUPPLY FOR HIGHLY MOBILE DEPLOYMENTS

### PGM low emissions<sup>v</sup> & ESM hybrid<sup>v</sup> – 20 kW

#### Tactical Power Systems for Mission-Critical Power Supply

Modern armed forces require a compact, high-performance, and reliable supply of power – especially for mobile units operating near the front lines. The PGM low emissions<sup>v</sup> 20 kW and ESM hybrid<sup>v</sup> 20 kW tactical power systems offer maximum performance, intelligent power management, and unparalleled operational flexibility for a wide range of missions.

The systems are compact, mobile, and specifically designed for tactical use with forward deployed units, mobile

command posts, and forces operating at the Forward Line of Own Troops (FLOT). They are **easy to transport** and can be used both individually and in parallel.

A built-in emergency mode further enhances operational readiness under demanding conditions. At the same time, these tactical power systems deliver outstanding fuel efficiency with reduced logistical requirements, and are **easy to maintain and easy to use** – ensuring they offer maximum operational value.

# MOBILE POWER SUPPLY. FLEXIBLE, DISTRIBUTED, RELIABLE.



## GENSET: PGM low emissions<sup>V</sup>

- Use of state-of-the-art Stage V engines, including exhaust aftertreatment systems, for efficient operation that reduces fuel consumption and emissions (noise, NO<sub>x</sub>, CO<sub>2</sub>)
- Compliance with NATO's Single Fuel Policy thanks to emission downgrade technology (MissionUpgrade)

## ENERGY STORAGE MODULE: ESM hybrid<sup>V</sup>

- Use of rugged lithium iron phosphate batteries (LiFePO<sub>4</sub>)
- Flexible feed-in: via PGM low emissions<sup>V</sup>, the power grid, solar panels, and other technologies
- Acts as an uninterruptible power supply (UPS)

### PGM low emissions<sup>V</sup> 20 kW

#### Technical Specifications

Power Rating:	20kW
Voltage:	230 / 400V AC
Frequency:	50Hz
Speed:	1,500 rpm
Operating Temperature:	-32 °C to +55 °C
Noise Level:	61 dB(A) max.
Weight:	≤ 1.75 t
Dimensions:	2,438 × 1,458 × 1,500 mm (8 ft)
Diesel Engine:	Stage V with MissionUpgrade
Additional Equipment:	Sunshade

### ESM hybrid<sup>V</sup> 20 kW

#### Technical Specifications

Power Rating:	20 kW
Voltage:	230 / 400V AC
Frequency:	50 Hz
Capacity:	35 kWh
Operating Temperature:	-32 °C to +55 °C
Noise Level:	61 dB(A) max.
Weight:	≤ 1.75 t
Dimensions:	2,438 × 1,458 × 1,500 mm (8 ft)
Power Input :	230 / 400 V AC, 50 Hz
Additional Equipment:	Sunshade

## EFFORTLESS OPERATION, POWERFUL PERFORMANCE:

- Easy to use and to maintain
- Can be operated individually or in parallel with various configurations
- Energy management: Load-dependent activation of a second genset or energy storage module
- Integration of custom interfaces and functions
- System control and diagnostics via an HMI display or a connected diagnostic PC
- Can be connected to the grid and renewable energy sources via ESM hybrid<sup>V</sup>



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