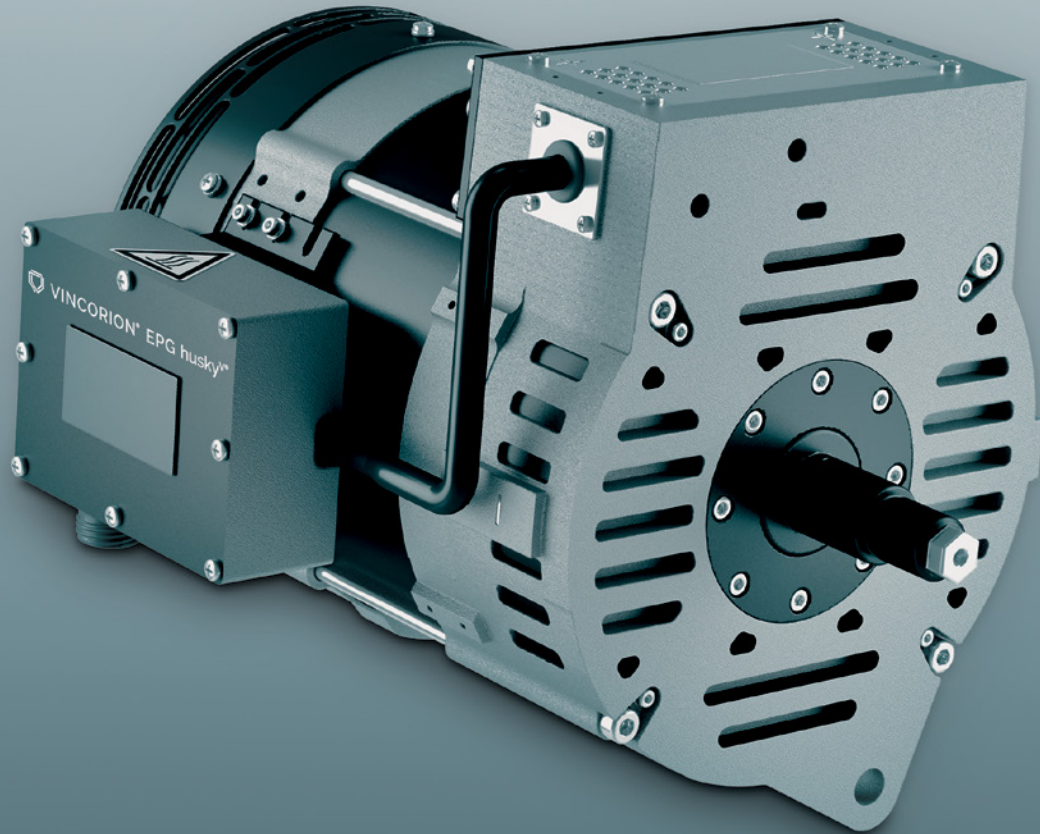




# VINCORION®



ADDED VALUE. **ENDURING.**



## EPG HUSKY<sup>V</sup> A-600+ – 28.5 V DC / 600 A+ AIR-COOLED ALTERNATOR. RELIABLE HIGH PERFORMANCE FOR INCREASED POWER.

### **A Highly Reliable, Efficient, Flexible, and Intelligent Mobile Power Generating System.**

Are you in the market for a highly reliable, intelligent, state-of-the-art answer to your additional mobile power needs? Then you've come to the right place. The EPG husky<sup>V</sup> A-600+ is designed for extreme conditions and meets a long list of rigorous military standards. It provides a highly consistent power source for a wide range of heavy vehicles when demand arises. It is especially designed for reliably handling the increased power demand of military vehicles in critical situations and civil vehicles

in heavy-duty applications. You can choose between a belt- or intermediate shaft-driven air-cooled alternator that supports a 600A+ output current, optimized to meet demanding SWAP and MTBF standards. Several standard mounting provisions are available, while the absence of liquid cooling circuits allows for easy vehicle integration. The 600A+ alternator is fully self-protected against temperature and overcurrent and adapts to engine speed and cooling conditions intelligently, through software. It's a real workhorse.

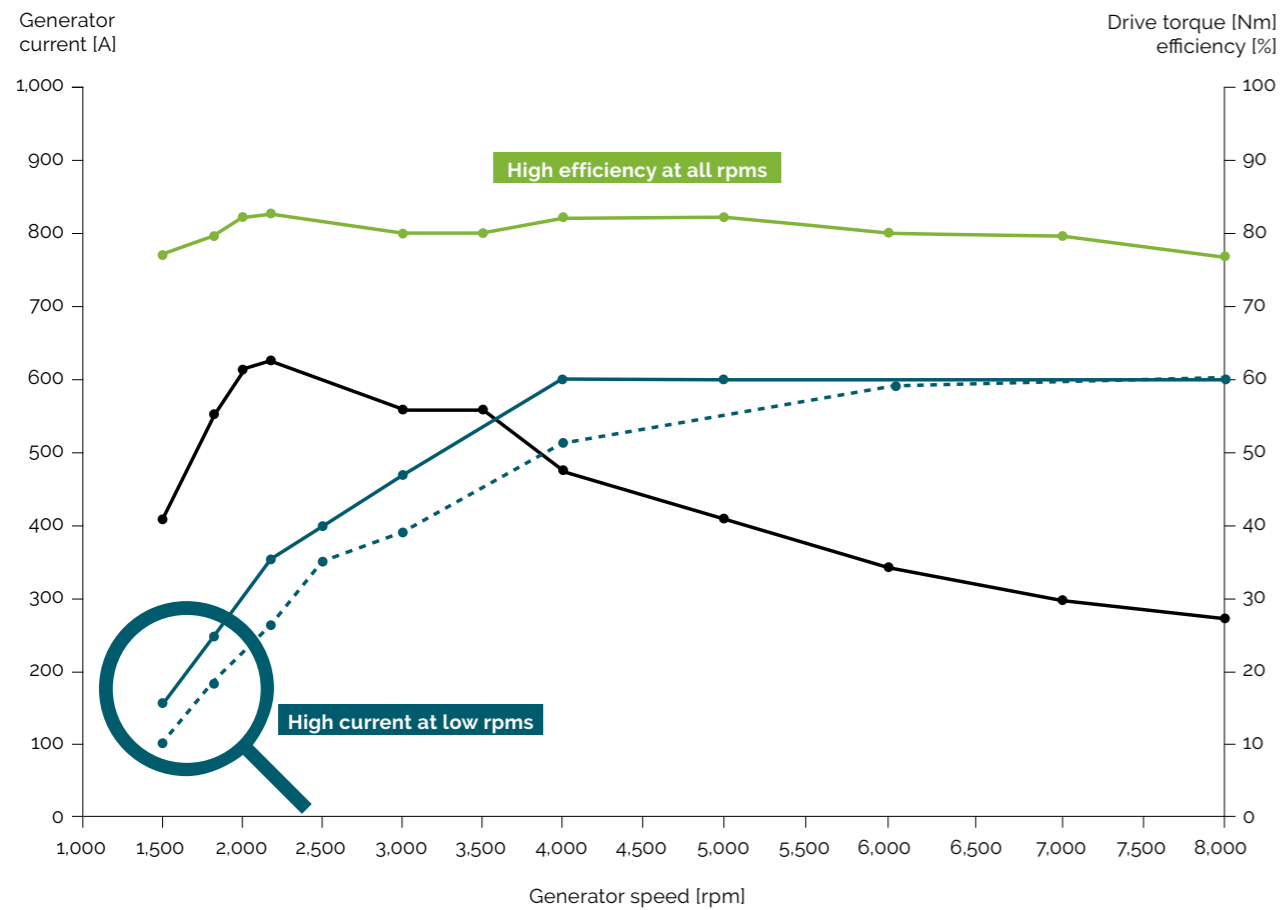
# A HIGHLY RELIABLE POWER GENERATION SYSTEM.

## SUPPORTS POWER REQUIREMENTS OF HEAVY-DUTY VEHICLES.

### KEY FEATURES:

- High power density and steep ramp-up
- Designed according to military standards MIL STD 461 G, MIL STD 810 G, MIL STD 1275 E, MIL STD 130 N
- High reliability and outstanding MTBF due to long-life sealed bearings and high-temperature grease
- Self-protected against overcurrent and over-temperature
- Overvoltage-protected for battery-free operation
- Optional output current limitation by software (300-600A+) to use existing harnesses
- Ability to operate in hot engine compartments
- High mechanical flexibility in mountings, voltage regulator positions, shaft adaptations

### Typical and Heat-Stabilized Characteristics for 28.5 V



— Rated current @ 23°C    - - - Rated current @ 93°C    — Torque @ 23°C    — Efficiency @ 23°C

### Technical Specifications

	EPG husky <sup>v</sup> A-600	EPG husky <sup>v</sup> A-670
<b>Mechanical Properties</b>		
Length	300 mm	330 mm
Diameter	225 mm	225 mm
Weight	48 kg	50 kg
Mounting	Many options available, e.g. hinge mounting	
<b>Connector Properties</b>		
Signal connector	MIL-STD 38999 24ZD19PN	
Power connector	Single-pole-insulated (case ground), earth return	
<b>Cooling Properties</b>		
Coolant	Ambient forced air cooling	
Coolant inlet temperature	-46°C to +93°C >+93°C to +110°C - current derating >+110°C to +125°C - only standstill	
<b>Operational Properties</b>		
Technology	Air-cooled, brushless multiphase generator with integrated rectifier and piggyback voltage regulator	
Rated output power	17.1kW / 600A	19.1kW / 670A
Rated voltage	28.5V +/- 0.3V	
Minimum operating speed	1,500 rpm	
Maximum speed	8,000 rpm	
Overspeed	10,000 rpm	
Direction of rotation	CW or CCW	
Insulation classification	>= H (DIN EN 60085)	



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