

# STAMFORD® STANDBY

## Case history

Reliable standby power for a government hospital

**Where:**  
Dubai, UAE

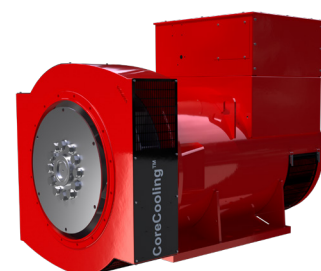
**Specified:**  
STAMFORD S6

**Prime Mover:**  
Perkins 4008TAG2A

**Purpose:**  
Reliable standby power for a government hospital, Dubai

Founded in Lebanon in 1960, Khonaysser Group is a leading provider of power generation solutions across the Middle East, delivering generator sales, maintenance, rental services, and genuine spare parts, supporting critical healthcare, industrial, and government infrastructure

A cornerstone of the company's growth is its more than 30-year partnership with STAMFORD | AvK, built on proven alternator technology and manufacturing. For this project, Khonaysser supplied and integrated a standby power system for a government hospital in Dubai, where uninterrupted power is essential for patient safety.



**“Our long-standing partnership with STAMFORD | AvK delivers reliable standby power supported by strong product, technical and aftermarket expertise.”**

**KHONAYSSER**  
GROUP

### **Delivering uninterrupted standby power for life-critical hospital operations in extreme conditions**

The hospital required stable, uninterrupted power to support life-critical systems, medical equipment, and essential services. The project called for a total standby capacity of 3,000 kVA for emergency backup power.

The system was also required to operate reliably in ambient temperatures of up to 50°C, with installation completed with minimal disruption to hospital operations. Given the critical nature of healthcare facilities, system reliability, load-handling capability, and long-term service support were essential.

### **A high-reliability standby power system engineered for critical healthcare applications**

Khonaysser Group delivered a standby power solution comprising three 1,000 kVA generator sets, each equipped with a STAMFORD S6L1D-E41 alternator, selected for reliable performance in high ambient temperatures and coupled to a Perkins 4008TAG2A diesel engine.

Each generator was fitted with Powerlock connections to support testing and operational flexibility, while a temporary rental unit ensured uninterrupted power during installation. The solution provides stable electrical output for sensitive medical equipment, supported by STAMFORD | AvK's technical expertise to ensure correct specification and smooth commissioning from start to finish.

### **Proven standby performance ensuring operational continuity and confidence**

The completed installation delivers a resilient standby power system capable of supporting critical hospital operations during mains power failures. Regular testing confirms reliable load-handling performance and dependable operation in challenging environmental conditions. The customer expressed confidence in STAMFORD | AvK, citing alternator reliability, suitability for mission-critical healthcare applications, and strong aftermarket support that maximises system uptime.

### **Why STAMFORD | AvK**

STAMFORD | AvK was selected for its proven reliability, global reputation, and consistent power quality with strong load-handling performance. Comprehensive aftermarket support was a key factor, including warranty coverage, readily available genuine spare parts, and responsive technical support. Trusted long-term partnership further reinforced the decision, with end-to-end support from specification through installation and ongoing service.



We are here to support your future decarbonisation goals, through our end-to-end expertise in versatile solutions. Backed by the reassurance of our world-renowned brands recognised for reliability and complete peace of mind, we are with you on your journey towards sustainability.



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