



Understanding the Powerhouse: Dongtai Power's Gel Series 6-CNJ-65~250Ah Battery System

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When Gel Technology Meets Industrial Energy Solutions

You're powering a remote telecom station in the Siberian tundra where temperatures plunge to -40°C. Conventional batteries freeze solid, but Dongtai Power's Gel Series 6-CNJ hums along like it's enjoying a day at the beach. This isn't magic - it's the science of advanced gel electrolyte technology redefining energy storage.

Core Technical Advantages

Gel Matrix Evolution: The SiO₂-sulfuric acid colloidal electrolyte forms 3D honeycomb structures, achieving 98% oxygen recombination efficiency

Extreme Temperature Warrior: Maintains 85% capacity at -30°C vs. 50% in standard VRLA batteries

Cycle Life Champion: 1,200+ deep cycles at 80% DoD - triple typical lead-acid performance

Vibration Resistance: Passes MIL-STD-810G vibration testing with

Web: <https://www.sphoryzont.edu.pl>