Wholesale 20KW 30Kw 40Kw Data Center Backup Power Generators portable Mute

Specifications :

Price	Contact us
Brand Name	Huali
Place of Origin	China
Min.Order Quantity	1
Payment Terms	OEM?ODM?OBM
Supply Ability	1000
Delivery Detail	3-7days

Detail Introduction :

The Data Center Backup Power Generator is an indispensable part of modern data center infrastructure, offering peace of mind and operational continuity in the face of power interruptions. With its combination of reliability, efficiency, and customization options, the DCBPG provides a comprehensive solution for any organization looking to safeguard its data and services against unexpected power disruptions.

Main Components and Manufacture

Engine	The heart of the generator, usually diesel-powered for high reliability and long-running capacity. Alternatives include natural gas or bi-fuel engines for environments with specific requirements.
Alternator	Converts mechanical energy from the engine into electrical power, designed to produce stable and clean electricity compatible with sensitive data center equipment.
Fuel System	Includes tanks, pumps, and piping to supply fuel to the engine, with configurations designed for extended run times.
Cooling System	Ensures the generator maintains optimal operating temperatures through air or liquid cooling mechanisms.
Fuel System	Includes a fuel tank, pump, and filtration system, designed for efficient fuel consumption and extended run times.

Usage Method

Installation and Setup: Professional installation is recommended to ensure compliance with local codes and optimal integration with existing power infrastructure.

Operation: The generator is typically set to start automatically when the ATS detects a power outage, ensuring a swift transition to backup power without manual intervention.

Switching Back: Once utility power is restored, the ATS automatically transitions the load back to the main power source. The generator then enters a cooling-off period before shutting down.

Maintenance

To guarantee reliability when needed most, regular maintenance is crucial:

Daily Checks: Visual inspections for any signs of wear, leaks, or damage. Check oil and coolant levels.
Routine Service: Follow the manufacturer’s schedule for changing oil, filters, and belts. Regular testing under load conditions is also essential to ensure operational readiness.
Annual Inspection: Comprehensive checks by certified technicians to assess and service engine, alternator, fuel system, and electrical components.

Advantages and Features
Reliability: Engineered for high reliability, ensuring data centers remain operational during power outages.
Efficiency: Modern engines and alternators designed for fuel efficiency reduce operating costs and environmental impact.
Customization: Available in a range of sizes and specifications to meet the unique needs of any data center.
Ease of Use: Advanced control panels and automatic transfer switches simplify operations, making the transition to backup power seamless.
Durability: Built to last, with high-quality components and robust construction suited for continuous or frequent use.