

Shale Gas Power Generation System, 12 MW

This gas power generation system is a core component for shale gas development, enabling powered drilling. The system includes six 2000kW power modules, offering low noise, low emissions, rapid transportation, and precise control to meet shale gas development needs.



Overview

High-Efficiency Shale Gas Power Generation

This 12 MW gas power generation system is engineered specifically for the dynamic demands of shale gas development sites. The system utilizes a modular design composed of six 2000kW power units, ensuring reliable power supply for extraction and processing operations. Key features include low noise emissions, rapid transportability, and precise control capabilities to optimize performance in challenging field environments.

Performance Metrics

Technical Parameters

Installed power	kW HP	12,000 16,092
Noise value		≤85dB(A)@1m
Single transportation module dimension(L*W*H)	mm ft	12,000 × 3,000 × 3,000 39.37 × 9.843 × 9.843
Output voltage	V	10,500
Generator power factor		0.8
Cooling method		Air-cooled radiator cooling

Technical specifications summary for the modular power generation system.

Total Installed Power

12000 kW

Installed Power

16092 HP

Installed Power

Noise Level	d85B(A)@1m
Generator Power Factor	0.8
Output Voltage	10500 V
Cooling Method	Air-cooled radiator cooling

Transportation & Logistics

Single Module Dimensions (L x W x H)

Metric	Value
Metric (mm)	12,000 x 3,000 x 3,000
Imperial (ft)	39.37 x 9.843 x 9.843

System Features

System Composition

- 6 units of 2000kW power modules
- Containerized design
- Integrated exhaust systems
- Integrated cooling fans
- Gas storage tanks
- Interconnected piping

Key Attributes

Low Noise, Low Emissions, Fast Transportation, Precise Control, Modular Design, Scalable