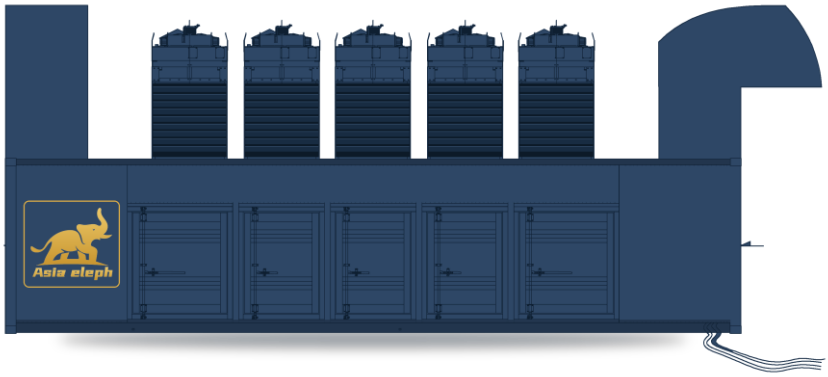
ASIA ELEPH® — Super-Silent Gas Power Station
AEE-G-I Series (Power: 1250 kW)

+86 025 5811 8558
sales@asiaeleph.com

ASIA ELEPH®

Super-Silent Natural-Gas Power Station



Applicable Standards

- ISO 8528-5:2018
- ISO 8528-10:2022
- GB/T 2820.5:2025
- CE

Design Operating Conditions

- Ambient temp.: −10 °C to +50 °C (−40 °C with jacket water heater)
- Altitude: ≤ 2,000 m
- Note: consult the ASIA ELEPH sales team if the operating conditions exceed the above.

Item	Technical Data
Power range (kW)	(5 × 250)
Rated frequency (Hz)	50/60
Engine options	Weichai
Fuel	Natural gas
Engine speed (rpm)	1500/1800
Alternator options	Stamford/Leroy-Somer/Mecc Alte/Dingge
Power factor	0.8
Three-phase rated voltage (V)	380–480 V
Control system	Digital
Frequency drop	≤ 3 %
Frequency recovery time	≤ 3 s
Noise limit	≤ 70±1 dB(A) at 7 m*
Protection class	IP44
Enclosure	Container type
Dimensions (mm)	12192*2438*2896
Set weight	26,000 kg

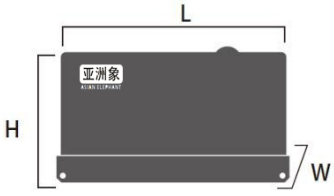
Factory Inspection & Test Items

- Whole-process quality control
- 0 %, 25 %, 50 %, 75 %, 100 %, 110 % load tests
- Control function tests
- Protection function tests

Surface Treatment & Coating

- Metal surface-treatment process, including shot blasting (shot peening).
- Container coating: marine-transport standard paint or powder coating.
- Corrosion class: C5-M. In accordance with ISO 12944:2017/2018.





ISO9001:2015 质量管理体系认证 | ISO14001 环境管理体系认证 | OHSAS18001 职业与健康管理体系认证 | CE 认证

Notes: (1) The noise limit is the average of readings taken in four directions at 75 % load; (2) Specifications are subject to change due to continuous improvement. Please confirm with our sales representative before ordering.

Jiangsu Golden Waves Energy Technology Co., Ltd.
Address: 150 Pubin Rd, Jiangbei New Area, Nanjing
http://www.asiaeleph.com

ASIA ELEPH® Custom Gas Power Station

ASIA ELEPH Product Features

- ASIA ELEPH — a premium global brand customised for natural-gas power station duty;
- Highly integrated super-silent canopy built to standard 40 ft high-cube dimensions, cutting customs and transport cost by over 20 %;
- Fully welded container structure — robust, easy to handle and stack;
- Easy to clean, maintain and service;
- All-weather capability: sand, rain and snow, humid salt fog, high altitude, high temperature;
- Five paralleled sets with redundant control — less maintenance time;
- Five paralleled sets as mutual back-up; output is adjustable to the load;
- Purpose-designed compartments: dependable heat rejection and stable power output.





ASIA ELEPH Product Highlights

- Safety: solid-state battery design concept enables unattended operation with high reliability;
- Super-silent: proprietary noise treatment — 70±1 dB(A) at 7 m (average of four readings);
- Eco-friendly: integrated maintenance module — no oil leakage or seepage during servicing;
- Energy-saving: professional compartment design delivers remarkable fuel savings;
- Low failure rate: failure rate cut by over 50 % versus shaft-driven and conventional designs;
- Guaranteed output: full rated output at 50 °C ambient;
- Capacity redundancy: five 250 kW sets in parallel deliver 1000 kW of continuous output;
- Dual filtration: fewer shutdowns from clogged filters or routine servicing;
- Automatic oil make-up: an integral make-up tank covers engine oil consumption over long runs;
- Multi-set paralleling: all units can be paralleled for even higher power output;
- Lighting: panel light and interior service light for night operation;
- Simple operation: one-touch panel control with running parameters at a glance;
- Protection: IP44 rating suits a wide range of applications.



Control Panel

SmartGen HGM9510N

Paralleling Controller



Key Advantages

- Remote start/stop — multi-set remote monitoring via HMU15N
- User-friendly interface
- RS485, USB and Ethernet communication ports
- Integrated governor (GOV) and automatic voltage regulator (AVR) ports
- Multi-language support (Chinese, English, etc.)
- AC measurement accuracy: class 0.5; operating temperature −25 to 70 °C

Main Functions

- 32-bit ARM MCU with a high level of hardware integration for improved reliability;
- 240×128 backlit LCD; menu in Chinese, English and other languages, field-selectable for easy commissioning;
- Hard acrylic screen window with high wear and scratch resistance;
- Silicone panel and keys suit wide ambient temperatures;
- CAN bus port connects J1939 electronic engines: monitors engine data (coolant temperature, oil pressure, speed, fuel consumption, etc.) and controls start/stop/speed via CAN bus;
- Measures and displays three-phase voltage, current, frequency and power for mains and generator;
- Mains: phase-loss and wrong-phase-sequence detection; generator: over/under voltage, over/under frequency, over-current, over-power, reverse-power, phase-loss and wrong-phase-sequence protection;
- Synchronising parameters: voltage, frequency and phase-angle difference between generator and mains; automatic modes: no-load running, on-load running and paralleling on demand;
- Soft load transfer when paralleling and separating sets;
- Three fixed analogue sensors (temperature, oil pressure, liquid level);
- Two configurable analogue sensors (temperature, pressure or liquid level);
- Accurate monitoring of engine parameters;
- Control & protection: automatic start/stop, breaker close/trip and comprehensive fault display and protection;
- Ten outputs and ten programmable inputs;
- Selectable start-success conditions (speed sensor, oil pressure, generator);
- Wide supply range DC 8–35 V suits various starter-battery voltages;
- Event log and real-time clock with scheduled start/stop (monthly/weekly/daily, with or without load);
- Total run-hours A/B and energy A/B, resettable for user statistics;
- Maintenance function with configurable due-time actions (warning, alarm shutdown or trip shutdown);
- All parameters adjusted digitally — no analogue potentiometers — for higher reliability and stability;
- Rubber seal between enclosure and control panel gives IP65 ingress protection;
- Metal mounting clips perform well in high-temperature environments;
- Modular design: flame-retardant ABS housing, plug-in terminals and flush mounting — compact and easy to install;
- GPS positioning (with the Cloud Cat module, via the cloud platform)

Options

Engine	Alternator	Control System	Genset
□ Jacket water heater	□ Anti-condensation heater	□ SmartGen	□ Open set
□ Automatic engine oil make-up	□ Radio-interference suppressor	□ ComAp	□ Trailer
□ Low oil level alarm	□ Winding temp. monitoring	□ DSE	□ Container type
□ SCR denitration device	□ Bearing temp. monitoring	□ DEIF	□ ComAp, DSE, DEIF
	□ Anti-mould, damp and salt fog		□ IP54 protection

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