

CIMC ENRIC · MODULAR POWER UNIT

SL Power Cube

SL 电能魔方

More flexible. More efficient.

A 500 kW modular natural-gas power unit with high power density, flexible standalone or parallel operation for N+1 redundancy, and a 2-hour deployment time. Platforms can be paralleled and scaled from multi-MW up to around 100 MW for continuous power applications such as data centres.



500 kW

Rated power per unit

10 ft

Modular unit format

7.43 m²

Floor area (L × W)

~100 MW

Parallel scale (with AM600 / SL)

Breakthroughs in 3 core technical barriers

67.29 kW/m²

Power density

Breakthrough structural design delivers high power density on a 10 ft footprint (500 kW / 7.43 m²).

N+1

Power supply mode

Enables flexible standalone or parallel operation, ideally suited for N+1 redundant power backup in AIDC and similar applications.

2h

Deployment time

Modular units with prefabricated foundation pipe galleries significantly shorten the construction period and reduce costs.

Scalable from 500 kW to around 100 MW

One 10 ft unit = 500 kW



Run a single unit standalone where one block of power is needed.

Parallel fleets · multi-MW to ~100 MW



SL Power Cube and AM600 platforms can be paralleled and scaled from multi-MW deployments up to around 100 MW for continuous power applications such as data centres, with N+1 redundancy as required.

Applications

- **AIDC (AI data centres):** long-duration continuous power with N+1 redundant configuration.
- **Similar critical-power applications** where redundant, fast-deploying modular gas power is needed.

PARAMETER	VALUE
PERFORMANCE	
Rated power output (per unit)	500 kW
Power density	67.29 kW/m ² (500 kW / 7.43 m ²)
Fuel type	Natural gas
Prime mover	Reciprocating internal combustion engine
ELECTRICAL OUTPUT	
Output voltage	400 V / 480 V
Frequency	50 Hz / 60 Hz
Power factor	0.8
OPERATION & CONTROL	
Power supply mode	Standalone or parallel operation; N+1 redundant configuration
Scalability	Multi-MW to around 100 MW (SL / AM platforms in parallel)
PHYSICAL & INSTALLATION	
Unit format	10 ft modular unit
Dimensions (L × W × H)	3048 × 2438 × 3178 mm
Floor area	7.43 m ² (from L × W)
Weight	7000 kg
Deployment time	2 h (modular units with prefabricated foundation pipe galleries)
COMMERCIAL	
Warranty	12 months

Fuel adaptability. The unit is tolerant of gas quality; output depends mainly on the gas heating value (calorific value). With ISO-standard natural gas it delivers rated output; with lower heating value gas it runs derated.

Factory-confirmed electrical, physical and warranty figures as of October 2026. Efficiency, emissions, noise, ambient range, certifications and control/paralleling system details are confirmed per project. Final specifications are stated in the project proposal.

Agile and efficient.

Delivering unwavering power stability for each customer.

Discuss your project: cimcenergysystem.com/discuss-your-project

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