CIMC ENRIC · MODULAR POWER UNIT

# Magic Cube

SL 电能魔方

Product Datasheet
Magic Cube · v0.4
October 2026

A 500 kW continuous-duty (COP) natural-gas power module in a 10 ft container. Natural-gas engine and PMG-excited alternator, closed-loop water cooling, 3048 × 2438 × 3178 mm, 8000 kg.

**500 kW**
Continuous (COP)

**40.2%**
Rated generating efficiency

**400 V · 50/60 Hz**
Rated voltage / frequency

**10 ft**
Containerized module · 8000 kg

## Applications

### AI data centers (AIDC)
High power density (500 kW on 7.43 m²). Bridging power while a grid connection is pending, or on-site generation next to the grid. Parallel configuration confirmed per project. No installed AIDC reference is claimed on this sheet.

### Factories and manufacturing parks
Self-generation or backup on pipeline gas, LNG or CNG; can run alongside diesel sets to reduce diesel running.

### Mines and remote sites
Containerized generation fed by LNG or CNG beyond the grid and the pipeline; BESS and PV can be added.

### Oil and gas fields
On-site power from field gas (methane ≥ 85%, inlet 4–12 kPa); gas analysis checked per site.

## Technical specifications

| | |
|---|---|
| **Model** | Magic Cube (SL 电能魔方) |
| **Unit format** | 10 ft containerized unit |
| **Rated power (continuous, COP)** | 500 kW |
| **Rated voltage / frequency** | 400 V · 50/60 Hz |
| **Rated generating efficiency** | 40.2% |
| **Rated current** | 902 A |
| **Phases / connection** | 3-phase 4-wire, star |
| **Rated speed** | 1500 r/min |
| **Cooling** | Closed-loop forced water cooling |
| **Starting / speed / voltage regulation** | DC24V electric start / electronic governor / automatic (AVR) |
| **Excitation / insulation / protection** | PMG / Class H / IP23 |
| **Dimensions (L × W × H)** | 3048 × 2438 × 3178 mm |

| | |
|---|---|
| **Weight** | 8000 kg |
| **Floor area / power density** | 7.43 m² / 67.29 kW/m² (500 kW ÷ 7.43 m²) |
| **Engine** | SC25KT840D, inline 6-cylinder, turbocharged and intercooled, 170 × 185 mm, 25.2 L, 560 kW COP @ 1500 r/min, compression ratio 11.5:1, oil sump 75 L |
| **Engine fuel** | Natural gas (methane ≥ 85%), inlet gas pressure 4–12 kPa |
| **Alternator** | LSA 47.3 M8, 550 kW, 1500 r/min, 50/60 Hz, 400 V, PMG, automatic voltage regulation, Class H, IP23 |
| **Parallel configuration** | Confirmed per project |

Technical specification of the Magic Cube (SL 电能魔方), October 2026. Rated voltage 400 V · 50/60 Hz. Emissions, noise, ambient range and certifications are confirmed per project and stated in the proposal. Specifications subject to change. Final values are stated in the project proposal.

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