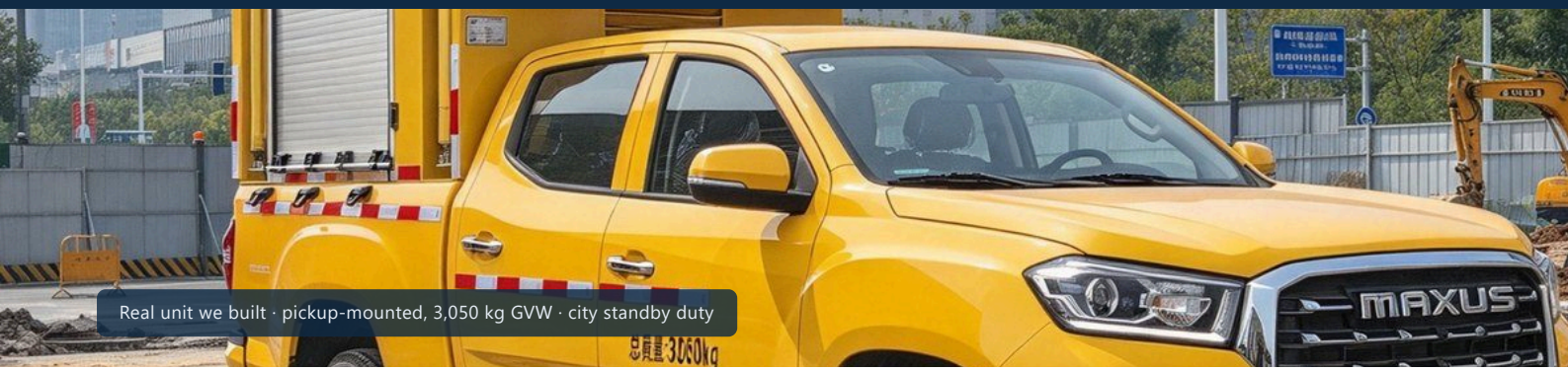


Real unit we built · pickup-mounted, 3,050 kg GVW · city standby duty

HEALTHCARE · STANDBY & TEMPORARY SUPPLY

Hospital standby power, sized on what cannot stop

A mobile unit is not power from zero — it covers the fixed set that failed, the overhaul window, or the wing still being commissioned.

The number that matters is critical plus fire load, not transformer kVA. A 400–600 bed hospital lands at 200–500 kW, because theatres, ICU, blood bank, medical lifts and fire loads are only 25–35% of installed capacity. The UPS owns the first 15–30 minutes; the vehicle owns the hours after it.

LOAD TIERS IN A GENERAL HOSPITAL

Load tier	Share	Interruption	Vehicle carries
Vital — theatres, ICU, blood bank, DSA	20–30%	0 s (UPS)	After the battery
Fire — pumps, smoke extract, fire lifts	10–15%	≤15 s	Yes, first
Essential — lifts, lab, imaging	20–25%	≤30 s	Capacity-dependent
General — HVAC, kitchen, laundry	35–45%	1–2 h	Normally no

WHAT DECIDES THE PROJECT

- **Connection point.** A rapid connection box means no mains outage; a spare LV breaker costs 5–15 minutes of downtime.
- **Exhaust and noise.** Keep 10 m from ward windows and fresh-air intakes; 55 dB(A) at the boundary against 65–70 dB(A) at 7 m.
- **Harmonics.** CT, MRI and inverter chillers push THDi to 25–35% — derate the set to 0.85 before sizing.
- **Acceptance.** 100% for 2 h plus 110% for 1 h, two transfer drills including one at night, 8 h endurance with a refuel.

200–500 kW
typical mobile rating for 400–600 beds

≤15 s
fire loads restored after transfer

25–35%
of installed capacity is critical + fire

Set and controls

Engine and alternator for mobile duty, deep-sea controller, full-load test before shipment.

On-board electrical

Switchgear, cable reel, quick connectors, earthing kit, outriggers.

Documents

English manual, wiring diagram, load-test report, spare parts list.

TALK TO AN ENGINEER, NOT A CALL CENTRE

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Liuzhou, Guangxi, China · FOB Qinzhou / Fangchenggang / Shenzhen
50 / 60 Hz · CE configurations on request · English manuals and load-test report

Full page & specs

Indicative scope and ratings for discussion, not a quotation. Final selection follows the hospital load calculation and site survey. Prices on request, FOB China, valid 30 days, excluding freight, duties and taxes.