

ENERGYPACK · HYBRID POWER SERIES · COMPACT

KCG300E-POWER

Compact hybrid, one-truck deployment. 300 kVA / 260 kWh true parallel hybrid.

Engineered for inner-city sites, events, telecom backup and temporary EV charging. At 2.8 tonnes, light enough for standard truck delivery and crane-free placement. Same EMS and HMI as the 600 kVA flagship — sized to where you actually work.

300 kVA

APPARENT POWER

260 kWh

LFP BATTERY

2.8 t

WEIGHT



Engineered for the field.

Same control platform as the KCG600E — branch staff trained on the heavy-duty unit run this with no extra training. Factory-engineered, not site-integrated.

01 Truck-deliverable footprint

2.8 t and 2300 × 1450 × 1750 mm. Fits a standard low-loader, places without a crane in many cases. Inner-city construction and event sites where heavier units cannot deploy.

02 Same control platform as KCG600E

One HMI, one EMS, one operator workflow across the fleet. Branch staff trained on either unit run both. Reduces fleet operator training cost.

03 Battery-priority for noise-sensitive hours

EMS prioritises battery during quiet windows — overnight construction, audience-facing event hours, residential-area work. Diesel only fires when load demands it.

04 LEZ-ready, Stage V emissions

Engine emissions ready for European Low Emission Zones, urban construction permits and ESG reporting requirements.

Specifications.

All values measured at 25 °C ambient unless noted otherwise. Detailed test reports available on request under NDA.

ELECTRICAL

Apparent power	300 kVA
Rated voltage	320–460 Vac
Frequency	50 / 60 Hz
Phases	3-phase, 5-wire + PE

BATTERY

Chemistry	LFP (Lithium Iron Phosphate)
Capacity	260 kWh, 832 V
Operating temp.	–20 to +55 °C
Standard	IEC 62619

MECHANICAL

Weight	2.8 t
Dimensions (L×W×H)	2300 × 1450 × 1750 mm
Ingress protection	IP54
Lift	Single-point, certified

CONTROL & CONNECTIVITY

Control	In-house EMS · 1 HMI
Connectivity	RS485, Ethernet, 4G opt.
Protocol	Modbus RTU, TCP/IP
Engine emissions	Stage V

Applications.

Smaller sites, events and remote duty where the 600 kVA is overkill and a diesel-only is wasteful at low load.

Events & film production

Stable AV-grade power. Battery-priority during shoot/show hours. Quieter operation around audience and crew areas.

Telecom & remote backup

Long-duration battery operation for low-load equipment. Fewer truck rolls. Remote alarms and SOC monitoring.

Inner-city projects

LEZ-ready for European cities. Truck-deliverable footprint. Single-point lift onto constrained sites.

COMPLIANCE

CE

Marking

Stage V

EU Emissions

IEC 62619

Battery Safety

IEC 62477

Power Electronics

UN38.3

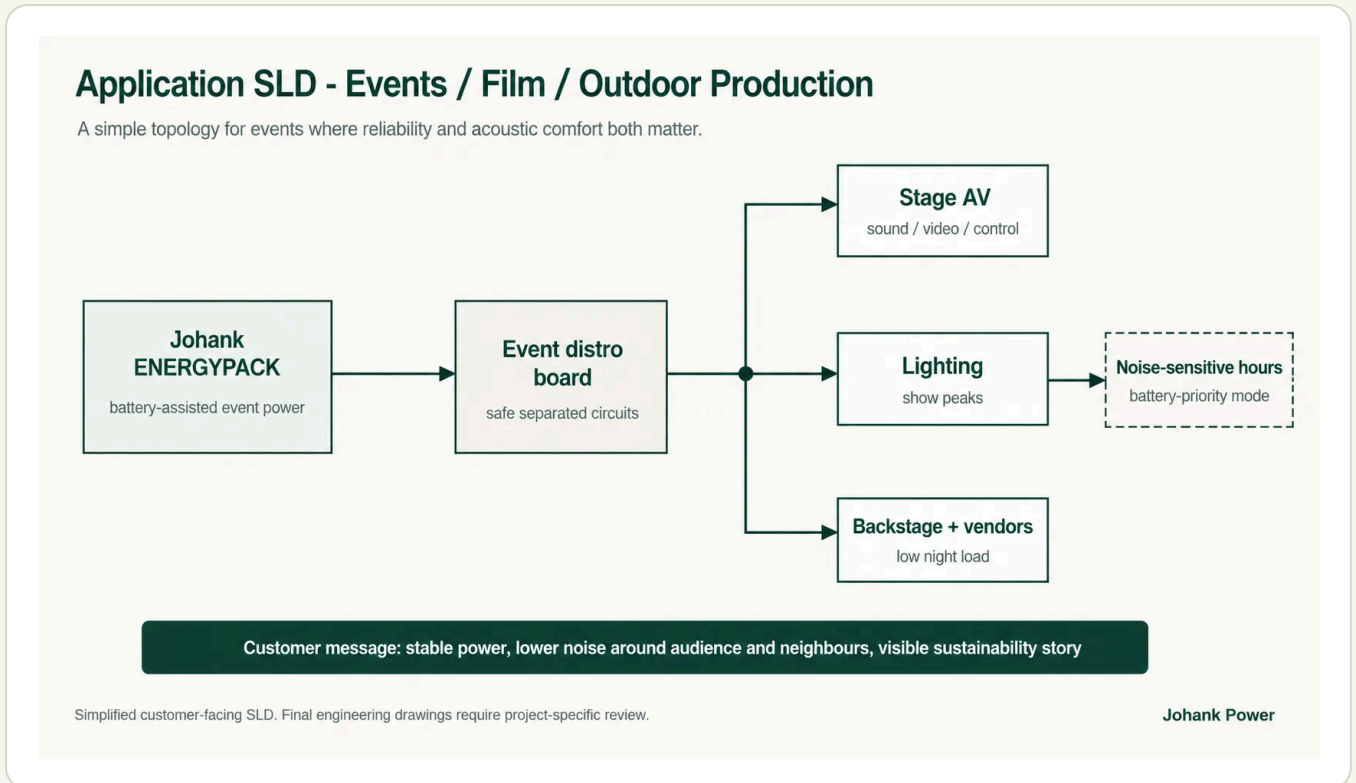
Transport Safety

IP54

Ingress

Single Line Diagram.

How the KCG300E connects to an event production — stage AV protected output, battery-priority during show hours.



Three conversations. No commitment required.

A 30-minute technical call walks through the architecture. A TCO model on your job profile shows fuel savings vs. your current diesel-only fleet. Hong Kong site visits available on request.

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