

LV SWITCHGEAR BUILD OPTIONS

Configured around your installation — not the other way around.

QUEST ELECTRICAL

Design • Manufacture • Installation • Testing & Commissioning

Commercial & Industrial LV Switchgear | Panel Boards | Main Distribution

Every LV switchboard project has different requirements. Panel configuration can be tailored to the available space, cable routes, incoming supplies, outgoing circuits, access requirements and future expansion.

BUILD & CONFIGURATION OPTIONS

FREESTANDING Floor-standing switchboards for larger installations and higher-current applications, with flexibility for multiple sections and extensive outgoing ways.	WALL MOUNTED Compact distribution solutions where floor space is restricted and the panel size and loading are suitable for wall mounting.
TOP ENTRY / EXIT Ideal where incoming or outgoing cables are routed through overhead containment, ladder or tray.	BOTTOM ENTRY / EXIT Designed for installations using floor voids, trenches, underfloor containment or below-panel cable routes.
TOP & BOTTOM ENTRY A flexible arrangement for sites where incoming and outgoing cables need to approach the panel from different directions.	BUS COUPLER Allows two busbar sections to be connected or separated as part of the system operating philosophy, with appropriate switching, protection and interlocking.
SINGLE OR DUAL INCOMER Configured for single supplies or dual incoming arrangements where resilience, alternative supplies or operational flexibility is required.	SPARE WAYS & FUTURE CAPACITY Additional outgoing ways and capacity can be incorporated to support future circuits and reduce disruption during later expansion.
METERING & CT CHAMBERS Dedicated space can be incorporated for CTs, metering and associated equipment where required by the client, DNO or metering specification.	CUSTOM DIMENSIONS Panel dimensions can be engineered around room restrictions, access routes, existing equipment and cable containment.

TYPICAL DESIGN CONSIDERATIONS

Current & fault level

Rated current, prospective short-circuit current and required withstand.

Access & maintenance

Operational access, isolation, maintenance strategy and available working space.

Cable management

Top, bottom, side or mixed entry to suit existing and proposed containment.

Outgoing circuits

Number and ratings of MCCBs/other protective devices and cable requirements.

Future expansion

Spare ways, busbar capacity and physical space for additional equipment.

Site constraints

Room dimensions, access routes, existing switchgear and shutdown requirements.

QUEST Electrical provides a complete LV switchgear service from specification and panel build through to installation, testing and commissioning. We can configure switchboards to suit both new installations and complex replacement or upgrade projects.

Final ratings, construction, protection, dimensions and component selection are determined by the project design, applicable standards, manufacturer requirements and client/DNO specifications.