

Distribution Cabinet Procurement Checklist

Factory-direct from Shenzhen Kingseng — 12 control points for system integrators, electrical contractors, and lighting distributors

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Phase 1: Specification Lock (Before Quotation)

☐	Installation country and target voltage confirmed
☐	Certification standard specified UL 67 (North America), EN 61439-1/-2 + CE (EU), BS EN 61439-1/-2 + UKCA (UK), AS/NZS 61439-1/-2 + RCM (Australia), SASO IEC 61439-1/-2 + Saber (Saudi Arabia), ESMA (UAE)
☐	Control protocol specified DMX512/RDM, DALI (IEC 62386), 0-10V — or mix. Do not write "dimmable."
☐	Total fixture count, wattage per fixture type, and calculated total load documented
☐	Required number of output channels and per-channel current rating defined
☐	Enclosure IP rating specified (IP65 minimum for outdoor)
☐	IK impact rating specified (IK10 for public areas, IK08 for indoor)
☐	Surge protection class required (Class I + Class II combined for outdoor/critical)
☐	Cable entry positions and gland type specified (metric, PG, or NPT thread)
☐	Ambient conditions documented (temperature range, humidity, corrosive atmosphere)
☐	Terminal material specified for corrosive environments Standard brass terminals are adequate for indoor/dry use. Specify nickel-plated or stainless steel terminals for coastal, tropical, or high-humidity destinations. Cost delta: under \$8 per cabinet.

Phase 2: Supplier Verification (Before Deposit)

☐	Business license verified (gsxt.gov.cn)
☐	Certification certificate number verified on issuing body directory Intertek Directory for ETL, UL Product iQ for UL, IECEE website for CB certificates
☐	Certificate holder name matches supplier company name exactly
☐	Live video call or factory audit completed
☐	Production equipment and testing bench photos received
☐	Third-party inspection history confirmed (SGS, Bureau Veritas, TUV, Intertek)
☐	Circuit breaker brand lead time confirmed — ask whether held in stock or ordered per project

Phase 3: Pre-Shipment Verification (Before Final Payment)

☐	Insulation resistance test report received $\geq 1\text{ M}\Omega$ at 500V DC, phase-to-phase, phase-to-ground, per IEC 61439-1 §10.9.2
☐	Grounding bond continuity verified $\leq 0.1\Omega$ from any exposed metallic part to main grounding terminal (factory bonding test)
☐	Temperature rise within IEC 61439-1 limits Busbar $\leq 70\text{K}$ rise, terminals $\leq 45\text{K}$ rise, enclosure exterior $\leq 30\text{K}$ rise at full load
☐	Circuit breaker labeling matches single-line diagram — photograph and cross-check
☐	Control signal test passed — DMX/0-10V response on all output channels

☐ Load test completed at 100% rated capacity for 1+ hour

☐ Surge protection module status confirmed (functional)

☐ Enclosure seal integrity verified — gasket seating and cable entry photos received

☐ Fastener material confirmed — corrosion-resistant for outdoor/coastal environments

☐ Nameplate verified

Must include: manufacturer, model, rated voltage/current/frequency, SCCR, IP/NEMA rating, certification mark + certificate number, date of manufacture, serial number

☐ Shipping marks, labels, and carton markings verified

☐ As-built wiring diagram + single-line diagram included in shipment

☐ Certification documents, test reports, Declaration of Conformity included in shipment

Quick-Reference: Global Electrical Standards

MARKET	STANDARD	VOLTAGE 3-PHASE	HZ	CERTIFICATION
USA/Canada	UL 67 / CSA C22.2 No.29	208/480/600V	60	ETL Listed, UL Listed, cETL
EU	EN 61439-1/-2	400V	50	CE + CB Scheme
UK	BS EN 61439-1/-2	400V	50	UKCA
Australia/NZ	AS/NZS 61439-1/-2	400V	50	RCM + SAA
Saudi Arabia	SASO IEC 61439-1/-2	380V	60	SASO IECEE + Saber CoC
UAE	ESMA IEC 61439-1/-2	380V	50	ESMA CoC + ECAS
Singapore	SS 638 (IEC 61439-1/-2 based)	400V	50	Safety Mark
GCC (QA/KW/OM/BH)	GSO IEC 61439-1/-2	415V	50	G-Mark

Kingseng — Distribution Cabinet Procurement Support

Send your single-line diagram, load schedule, and control topology to simon@ksimpexp.com for a project-specific quotation and engineering review.

Full procurement guide: ksimpexp.com/distribution-cabinet-procurement-global-guide/