

Power Distribution Panel

Product Technical Sourcing Proposal
Electronics & Energy Systems



Real supplier reference image. Final brand, model and appearance depend on selected quotation.

RECOMMENDED SUPPLY CONFIGURATION

Select the minimum rating that safely covers the verified electrical load, while matching the site's voltage, frequency, protection scheme, enclosure environment and control interfaces.

Product Overview, Applications & Primary Use

Distribution panel with MCC modules, energy metering and overload protection for production lines.

Technical sourcing approach

- Confirm the real operating duty and site conditions before comparing models.
- Compare supplier quotations against one common technical specification.
- Require a factory test, drawings, manuals and a critical-spares list.
- Plan freight, inspection, installation interfaces and after-sales support before purchase.

Applications and primary use

- Industrial power distribution, protection, control or monitoring duties defined by the project.
- New installations that must integrate with the existing electrical system.
- Replacement or capacity upgrades after rating and interface compatibility are verified.
- Indoor or outdoor service after confirming enclosure and environmental requirements.



Product-Specific Technical Specification

Selection parameter	Required function / value	Buyer or site input
Electrical rating	Voltage, current or power rating for the intended duty	Provide load and supply data
Phase and frequency	Match the Afghan site power system	State phase arrangement and frequency
Protection	Coordinate overload, short-circuit and earth-fault protection	Provide upstream and downstream device ratings
Control functions	Include only required automatic, manual and alarm functions	List operating sequence
Interfaces	Connect correctly to generators, sensors, PLC or monitoring system	Provide signal and protocol list
Enclosure	Protect components in the installation environment	State indoor/outdoor and IP requirement
Installation	Match cable entry, mounting and service clearances	Provide layout or single-line diagram
Testing/documentation	Factory tests, drawings and manuals for acceptance	Define required test records

Buyer checklist and quotation requirements

- Provide the single-line diagram or intended connection arrangement.
- State voltage, frequency, phases, maximum load and duty cycle.
- Confirm fault level and the ratings of connected protective devices.
- List automatic sequence, alarms, interlocks and communication requirements.
- State enclosure location, IP rating, temperature, dust and ventilation conditions.
- Confirm cable entry, terminal sizes, mounting and available installation space.
- Request schematic drawings, test records, manuals and critical spare parts.

Final technical parameters, included accessories and acceptance criteria must be confirmed in the supplier quotation, test report and purchase contract. Do not purchase from photographs alone.

Indicative Product Pricing & Supply Guide

PRODUCT QUOTATION BASIS

Final pricing for Power Distribution Panel follows the confirmed technical specification, required rating or capacity, included accessories, inspection scope, delivery terms and destination.

Supply component	Indicative planning range	Quotation basis
Main electrical equipment	US\$3k-30k	Minimum safe rating and essential functions
Protection, controls and enclosure	US\$1k-8k	Only required devices and interfaces
Freight and clearance	US\$2k-10k	Consolidated shipment where practical
Installation, cabling and testing	US\$1k-6k	Local team with supplier support
Low-entry electrical package total	US\$7k-54k	Final price follows confirmed ratings

Technical sourcing and delivery process

Phase 1	Define requirement and request comparable quotations - 1 to 2 weeks
Phase 2	Technical clarification, negotiation and inspection plan - 1 to 3 weeks
Phase 3	Manufacture or refurbishment - typically 3 to 10 weeks
Phase 4	Shipping and customs clearance - typically 3 to 7 weeks
Phase 5	Local installation, training and trial operation - 1 to 3 weeks

These are non-binding planning ranges. Final product price and delivered cost depend on the confirmed specification, accessories, inspection, freight, customs, exchange rate and destination.

Sanaatchi Support & Contact

- Supplier search using one confirmed product specification
- Side-by-side technical and commercial quotation comparison
- Factory test, documentation and pre-shipment inspection coordination
- Lowest-cost practical logistics planning from China to Afghanistan
- Installation-interface, spare-parts and after-sales coordination

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Supplier image references

- Supplier image reference:

<https://image.made-in-china.com/2f0j00puMvTtSKgDgj/400V-Gck-Low-Voltage-Intelligent-Power-Distribution-Panel-LV-Switchgear.jpg>

- Supplier image reference:

<https://image.made-in-china.com/2f0j00JkuBvRNnlgqz/Low-Voltage-Power-Distribution-Panel-Boards-Generator-Control-50kw-MCCB-Electrical-Panel.jpg>