

EI & Control Transformer

RFQ Checklist & Selection Quick Reference

Share as much of the detail below as you can — the more we have, the faster one dedicated engineer can return a proposed design and indicative pricing (typically within 48 hours). P&A International is an engineering-led contract manufacturer; every supplier in our network is ISO 9000 certified or better.

1. What to send us for a fast, accurate quote

- Primary and secondary voltages, VA rating, taps and number of outputs
- Voltage-selection / multi-tap requirements and any screen
- Load regulation and duty cycle
- Isolation and safety requirements, and target standards
- Mechanical envelope — size, mounting, terminations — and thermal limits
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or physical sample

2. Which EI type? - quick reference

Option	Best for
Control transformer	Panels, machine tools, automation - rugged, voltage-selectable.
Isolation transformer	Safety-critical isolation, screened or reinforced.
Power transformer	General power, a few VA to multi-kVA, taps and multi-output.
PCB / open-frame	Board-level and open-frame builds for OEM equipment.

3. Design factors that shape the quote

- **Voltage & taps:** primary/secondary voltages, tap range and selection set the turns ratio and core.
- **Regulation & rating:** load regulation and VA drive core and copper size.
- **Temperature rise:** loss sets the insulation class (A/E/B/F/H); lamination grade and build keep it in limit.
- **Isolation & safety:** creepage/clearance, screens and IEC 61558 / EN 61558, CE, UL designed in.
- **Mounting:** open-frame, chassis, PCB, flying-lead or encapsulated to suit your assembly.

Send your completed checklist (and any drawing or sample) and one dedicated engineer will respond with a proposed design and indicative pricing. No project too big or too small.

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