

# Encapsulated 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 and number of outputs
- Operating environment (temperature, humidity, ingress)
- Isolation / safety class and target standards
- PCB footprint, pin-out and height, or chassis mounting
- Mechanical envelope and any thermal limits
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or physical sample

### 2. Which encapsulated type? - quick reference

Option	Best for
Encapsulated power	Potted, sealed for harsh and outdoor environments.
PCB-mount	Board-level, designed to your footprint and pin-out.
Isolation	Reinforced / double-insulated sealed isolation.
Chassis-mount sealed	Sealed chassis transformers for building services / industrial.

### 3. Design factors that shape the quote

- **Environment:** temperature, humidity, ingress and chemicals set the potting compound and case.
- **Isolation class:** reinforced or double-insulated to IEC 61558 / EN 61558 for the safety class needed.
- **Footprint & pin-out:** PCB layout, pin spacing, height and chassis mounting to your board.
- **Voltage & rating:** voltages, taps, outputs and VA set the core and copper.
- **Thermal:** potting and case chosen so the sealed part stays in its temperature class.

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.