Solar & Storage Magnetics

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

- Which stage and topology (PV inverter, DC-DC, PFC, grid interface)
- Continuous and peak power, DC and ripple currents
- Switching frequency and efficiency / thermal targets
- Isolation, grid-code and safety requirements, and target standards
- Mechanical envelope, cooling and mounting
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or schematic

2. Which solar / storage magnetic? - quick reference

Option	Best for
Inverter / isolation transformer	PV and hybrid inverters, grid-code isolation.
Storage inductor	DC-link, boost, buck for battery converters - high current.
EMI choke	Common-mode / differential for conducted-emissions limits.
Current sensor	CTs and sensors for monitoring and protection.

3. Design factors that shape the quote

- **Stage & topology:** PV inverter, DC-DC, PFC or grid interface sets the design.
- **Power & current:** continuous/peak power and DC/ripple currents set core, winding and cooling.
- **Efficiency & thermal:** loss budget and ambient set core grade, litz/flat-wire and potting.
- **EMI:** conducted-emissions limits set the common-mode and differential choke design.
- **Isolation & grid code:** reinforced isolation to IEC 62368-1 / 61558, CE, UL and your grid code.

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.