Three-Phase Nanocrystalline Common Mode Choke

Product Design Reference | PMT-PR-2026-1112-11 | Rev A/0 | 2026-11-12

This reference reproduces published product information and its stated evidence status. Final project specifications require an approved drawing and sample acceptance record.

Published Parameters and Conditions

Parameter	Published value / interpretation
Rated current:	10 A - 100 A
Common mode impedance:	100 Ω - 1000 Ω @ 100 kHz
Isolation voltage:	1500VAC
Operating temp:	-40 °C to +125 °C
Material and standard requirements are agreed per project.	

Application and Validation

Nanocrystalline core structure designed for three-phase power systems. Excellent common mode impedance characteristics effectively suppress conducted interference from solar inverters and energy storage converters, for system-level EMI filter review.

PROMAGTECH supports custom inductance, current rating, core material, insulation class, cooling method, and mounting structure based on your converter topology and application environment.

Core material, winding and impedance review points for conducted EMI suppression.

Integrated EMI choke design for EV chargers, AI server power, solar inverters and storage converters.

Magnetic component selection notes for PV inverters, storage PCS and bidirectional DC-DC stages.

Project Review and Contact

Send voltage, topology, frequency, RMS and peak current, loaded inductance or turns ratio, thermal boundary, insulation and available mounting dimensions. Sample fees and delivery schedule are confirmed in the project quotation.

3rd Floor, Building 1, No. 22 Dongda Road, Dongkeng Community, Fenghuang Street, Guangming District, Shenzhen, Guangdong 518132, China

Phone: +86 13537658938 | Email: zyong@promagtech.cn | www.promagtech.com

Product page: https://www.promagtech.com/products/three-phase-common-mode.html

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