

最具性价比电力电抗器解决方案

WWW.CREATIVEMIX.CN

公 司 简 介

唐山尚新融大电子产品有限公司，创立于2008年4月。尚新融大致力于为军用电源电路、UPS、智能电网、轨道交通、光伏并网逆变器、通信电源提供磁性元器件系统解决方案。是国内少数同时具备金属磁粉心、非晶纳米晶磁芯、平面变压器、电感器、MIL-STD-1553B总线变压器、平面磁集成滤波器，研制、生产能力的综合性科技企业。已通过ISO9001及GJB9001B-2009国军标质量体系认证,通过武器装备制造单位三级保密认证。公司依托磁电结合核心竞争力，为广大客户提供感性器件解决方案！

电力电子事业部：主要为电力电子行业提供中大功率电抗器解决方案及各种中大功率高频变压器产品。目前该事业部依托自产非晶磁芯、金属磁粉芯以及横店东磁优良的高性价比磁性材料优势，目前已经拥有电力行业各种IGBT电路（工作频率5kHz-30kHz),用最具性价比电抗器解决方案。产品广泛应用于国家电网下属公司及研究机构中的有源电力滤波器、高频技术SVG、SVC，光伏并网逆变器，电厂充电器、除硫等设备中。

Tangshan creativemix electronics co., LTD., founded in April 2008. creativemix commitment to military power supply circuit, UPS, smart grid, rail transportation, photovoltaic (pv) grid inverter, communication power supply provide systematic solution for magnetic components , it's a minority with metal magnetic powder, amorphous nanocrystalline core, flat transformers, inductors,transformers, MIL - STD - 1553 - b bus planar magnetic integrated filter、development、production capacity ofcomprehensive science and technology enterprises . In the domestic . it Has passed ISO9001 and military specifications GJB9001B - 2009 quality system certification, through the weapon equipment manufacturing unit level 3 security certification. The company relying on magnetolectricity combined with core competitiveness, Solutioning for the overwhelming majority of customers with the perceptual component!

Power electronics division: mainly for the high power reactor in the power electronics industry to provide solutions and high-power high-frequency transformer in a variety of products. At present, the division based on produced amorphous magnetic core, metal magnetic powder core and Hengdian Group DMEGC Magnetics Co.,Ltd. excellent cost-effective magnetic material advantages, And At present the division has have All sorts of IGBT circuit of the electric power industry has 5 kHz to 30 kHz) (working frequency, in the most competitive Inductor solution .Products are widely used in national power grid companies and research institutions, high frequency active power filter technology in SVG, SVC, photovoltaic (pv) grid inverter, power charger, sulphur, etc equipments.

有源电力滤波器电抗器

Active power filter inductor

电动汽车及高铁电感器

Electric vehicles and high-speed rail inductors

不间断电源（UPS）电抗器

Uninterruptible power supply (UPS) Inductor

能量回馈及飞轮储能电感器

Energy Recovery and flywheel energy storage inductor

智能电网设备改造电抗器

Smart grid equipment reforming inductor

各种电力电子电路定制电抗器

A variety of customized power electronic circuits reactor

光伏风力并网逆变器电抗器

Solar and wind power inverter inductor

电力电子事业部

成功研制系列节能电抗器，采用合金软磁圆柱性磁芯，使用自我研制的扁线立绕绕线机制作的线圈组合而成。该电抗器与其他厂家铁硅合金金属磁粉心电抗器相比，损耗较少 1/3, 温升高、体积小、更具性价比。



20kHz 20kW



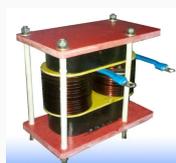
15kHz 50kW



9.3kHz 100kW



20kHz 10kW



9.3kHz 250kW



7.5kHz 350kW



智能电网设备
改造电抗器
Smart grid
equipment reforming
inductor

光伏风力并网
逆变器电抗器
Solar and wind
power inverter
inductor

UPS电抗器
UPS inductor

电动汽车及高铁
电感器
Electric vehicles and
high-speed rail
inductors

有源电力滤波器
(APF) 电抗器
Active power filter
inductor

能量回馈及飞轮
储能电感器
Energy Recovery and
flywheel energy storage
inductor

磁电结合工程技术
研发中心
Magnetic combined with
engineering Technology
R & D Center

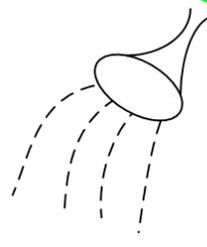
我们枝繁叶茂（丰富的不断更新解决方案）！
We leafy (rich constantly updated solution)!

我们根植于自主研发磁性材料，磁电结合提供各种电力电子电路电抗器定制化解决方案。

自主研发磁性材料，能够快速制样；磁电结合工程技术研究中心电抗器动态测试平台，能够给你详实的电抗器实际应用电路动态数据，节省您设备研制周期。

We rely on independent research and magnetic materials, magnetic combine to provide a variety of power electronic circuits given reactor solutions.

Independently developed magnetic materials, can quickly sample preparation; Magnetic combines engineering technology research center reactors dynamic test platform that can give you detailed practical application circuit reactor dynamic data, saving you equipment development cycles.



通过创新的灌溉方式
(磁电结合)
Innovative irrigation
methods (Magnetic
combined)



根植于自我研制的
磁性材料土壤
Rooted in the self-
developed magnetic
soil



创新发展之路——磁电结合工程技术研究中心

Innovation and development

- Magnetic combined engineering technology research center



2013年形成全系列电抗器解决方案库
Rev. 2013 formation of the whole series of power electronic reactor Solutions Gallery

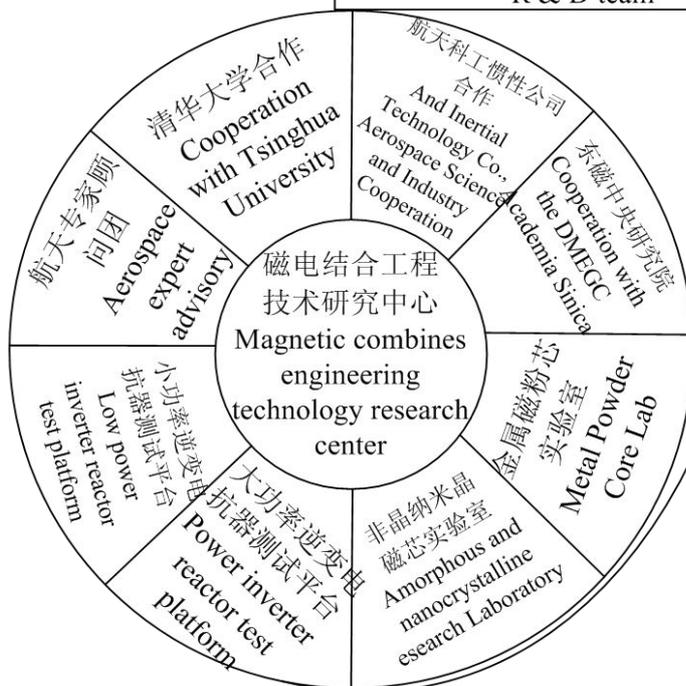
2011年-2013年获得国家和省级8个项目支持
received national and provincial support eight projects From 2011 to 2013

2010年-2013年形成18项专利技术
formation of 18 patents from 2011 to 2013

2010年成立工程技术研究中心
Founded in 2010, Engineering Technology Research Center

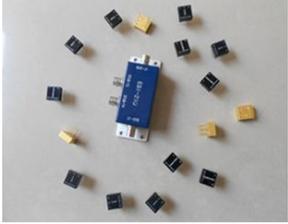
2008年成立尚新融大
Creativemix was founded in 2008

十年磁性材料和感性器件研发团队
Decade magnetic and inductive devices R & D team



系统化磁性器件解决方案提供商
Systematic magnetic device solution provider

本手册仅仅涉及电抗器解决方案
This manual relates only reactor solutions other products, please see our corresponding product manuals

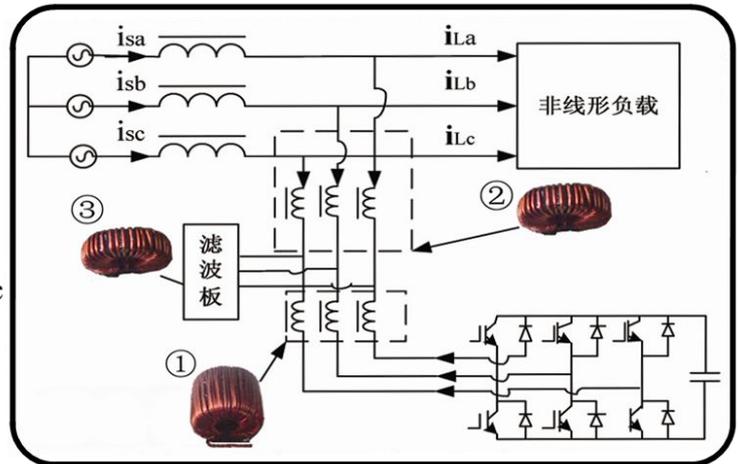
	<p>Magnetic powder core Iron MPP HIGH FLUX SENDUST FeSi</p>	<p>Flyback Transformers Boost Inductor (APFC) In-Line Noise Filters and Inductors Buck Inductor DC-AC Inductor (High power) Resonant inductor</p>
	<p>Amorphous and nanocrystalline No air gap high DC superposition core High-permeability 0 cores High permeability, high-BS, low loss core High linearity permeability, high-BS core</p>	<p>Audio filter inductor Differential mode inductors Common-mode inductor Switching supply power transformer Current transformer</p>
	<p>MIL-STD-1553B bus products MIL-STD-1553B isolation transformer MIL-STD-1553B coupling transformer MIL-STD-1553B Coupler</p>	<p>MIL-STD-1553B bus 4MHz above products customized products</p>
	<p>Planar Transformer and Inductor</p>	<p>Communication power High-power welding machine High-power and high-power density radar power Electric car charger and vehicle power supply</p>
	<p>Custom transformers and inductor (A variety of industrial high reliability custom transformers and Inductors)</p>	<p>Oil exploration and drilling high temperature transformer High-speed rail locomotive transformer Smart grid control transformer EMI filter</p>
	<p>high-power inductors (Relying on self-produced amorphous and nanocrystalline cores, metal powder core designed to produce)</p>	<p>Boost Inductor (APFC) In-Line Noise Filters and Inductors Buck Inductor DC-AC Inductor Resonant inductor</p>

小功率有源电力滤波器 (APF) 电抗器
Low power active power filter (APF) Inductor

系统化磁性器件解决方案提供商
Systematic magnetic device solution provider

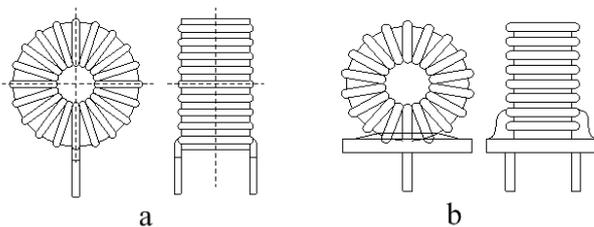
小功率采用环型金属磁粉芯制作具有高Bs的特性，闭合磁路，气隙内部均匀分布，不易饱和，设计简便制作简单等特点

Low power metal magnetic powder core has the high Bs characteristics, closed magnetic circuit, air gap uniform distribution inside, not saturated, design simple, making simple and so on characteristics



额定电流 Rated current	20A			30A		
	电感 ① Inductance ①	电感 ② Inductance ②	电感 ③ Inductance ③	电感 ① Inductance ①	电感 ② Inductance ②	电感 ③ Inductance ③
型号 Model	ACI810 μ H/20A	ADI100 μ H/20A	DCI100 μ H/20A	AC700 μ H/30A	ADI100 μ H/30A	DCI100 μ H/30A
工作频率 Working Frequency (kHz)	≤ 20					
温升 Temp ($^{\circ}$ C)	≤ 60					
重量 Weight (kg)	0.9kg	0.45kg	0.45kg	1kg	0.45kg	0.45kg
封装形式 Configuration	a、b	a、b	a、b	a、b	a、b	a、b

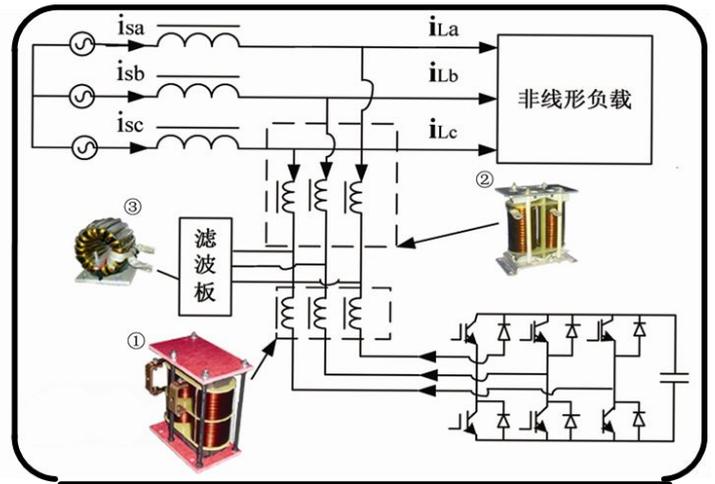
额定电流 Rated current	40A			50A		
	电感 ① Inductance ①	电感 ② Inductance ②	电感 ③ Inductance ③	电感 ① Inductance ①	电感 ② Inductance ②	电感 ③ Inductance ③
型号 Model	ACI810 μ H/20A	ADI100 μ H/20A	DCI100 μ H/20A	AC810 μ H/25A	ADI100 μ H/25A	DCI100 μ H/25A
工作频率 Working Frequency (kHz)	≤ 20					
温升 Temp ($^{\circ}$ C)	≤ 60					
重量 Weight (kg)	0.9kg	0.45kg	0.45kg	1kg	0.45kg	0.45kg
封装形式 Configuration	a、b	a、b	a、b	a、b	a、b	a、b



大功率有源电网滤波器 (APF) 电抗器
High power active power filter (APF) Inductor

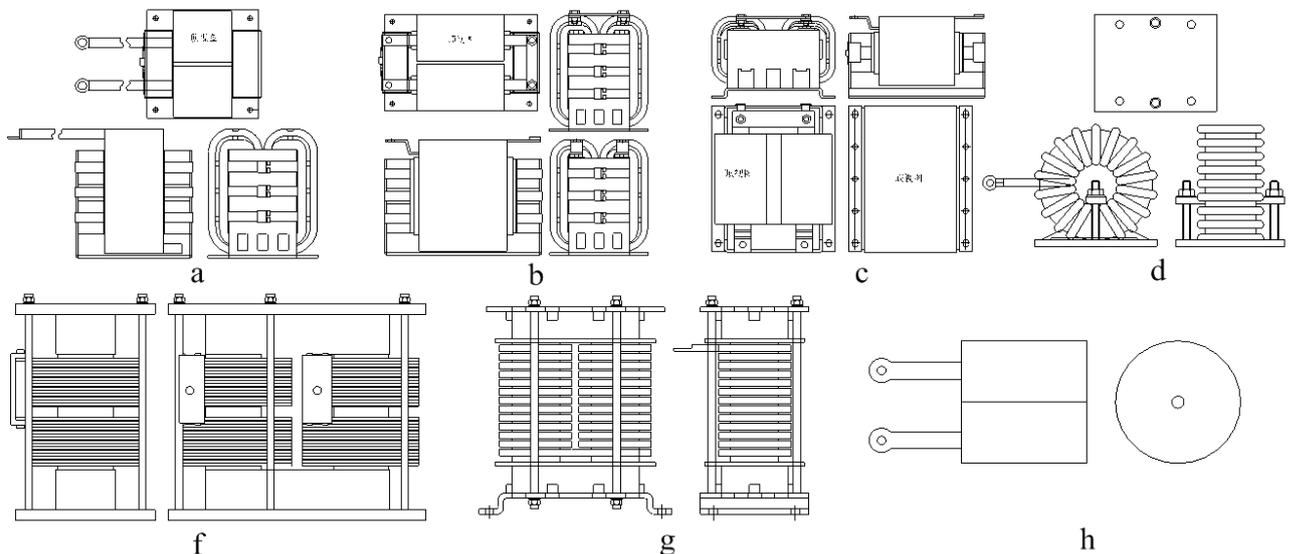
系统化磁性器件解决方案提供商
Systematic magnetic device solution provider

- 1.电抗器磁芯选用我公司自主研发新型合金磁芯，该磁芯优异高频低损耗及直流偏磁特性；
- 2.电抗器绕组使用扁线立绕工艺大大的节省铜线成本并具有优良的散热特性；
- 3.该系列电抗器与使用铁硅磁芯电抗器相比具有低温升，低损耗，低成本的特点；



1. Inductor core choose our company independently developed a new alloy core, the core high-frequency low-loss and excellent DC bias characteristics;
2. Inductor using flat wire winding around the craft legislation greatly save the cost of copper and has excellent thermal characteristics;
3. The series of inductance and iron silicon core inductance compared with low temperature rise, low loss, low cost of characteristics;

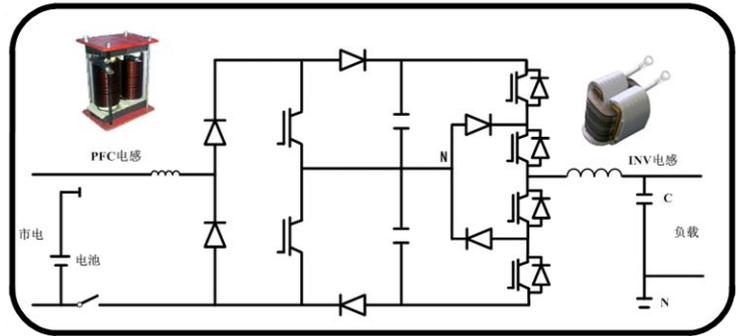
额定电流 Rated current	100A			200A		
	电感 ① Inductance ①	电感 ② Inductance ②	电感 ③ Inductance ③	电感 ① Inductance ①	电感 ② Inductance ②	电感 ③ Inductance ③
型号 Model	ACI200 μ H/100A	ADI100 μ H/100A	DCI1110 μ H/30A	ACI150 μ H/200A	ADI50 μ H/200A	DCI1110 μ H/30A
工作频率 Working Frequency (kHz)	≤ 20					
温升 Temp ($^{\circ}$ C)	≤ 60					
重量 Weight (kg)	15kg	10kg	3kg	22kg	8kg	3kg
封装形式 Configuration	b、f、g、h	a、f、g、h	g、d、h	b、c、f、h	a、f、g、h	g、d、h



不间断电源 (UPS) 电抗器
Uninterruptible power supply (UPS) Inductor

系统化磁性器件解决方案提供商
Systematic magnetic device solution provider

- 1.电抗器磁芯选用我公司自主研发新型合金磁芯，该磁芯优异高频低损耗及直流偏磁特性；
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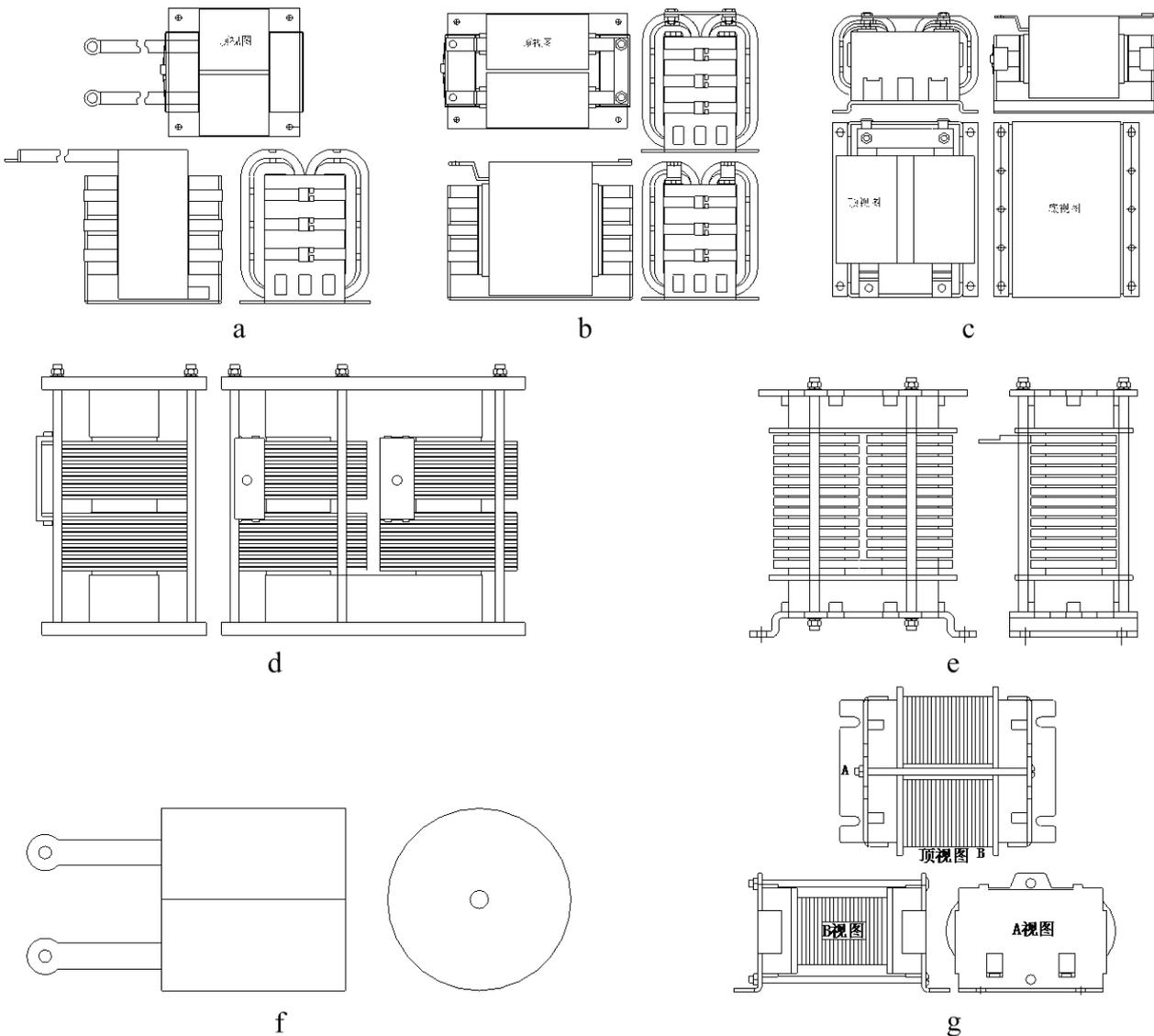
额定功率 Rated power	5KW		10KW	
	PFC 电感 PFC Inductance	INV 电感 INV Inductance	PFC 电感 PFC Inductance	INV 电感 INV Inductance
型号 Model	BTI1500 μ H/20A	DAI900 μ H/25A	BTI650 μ H/38A	DAI400 μ H/45A
工作频率 Working Frequency (kHz)	5~20	5~20	5~20	5~20
温升 Temp (°C)	≤ 60	≤ 60	≤ 60	≤ 60
重量 Weight (kg)	0.75kg	0.64kg	4.5kg	3.5kg
封装形式 Configuration	b、e、g	b、e、g	b、e、g	b、e、g

额定功率 Rated power	20KW		30KW	
	PFC 电感 PFC Inductance	INV 电感 INV Inductance	PFC 电感 PFC Inductance	INV 电感 INV Inductance
型号 Model	BTI325 μ H/80A	DAI200 μ H/100A	BTI220 μ H/110A	DAI145 μ H/150A
工作频率 Working Frequency (kHz)	5~20	5~20	5~20	5~20
温升 Temp (°C)	≤ 60	≤ 60	≤ 60	≤ 60
重量 Weight (kg)	8.0kg	5.0kg	12.0kg	22.0kg
封装形式 Configuration	a、b、c、d、e	a、b、c、d、e、f	b、c、d、e、f	a、b、c、d、e、f

不间断电源 (UPS) 电抗器
Uninterruptible power supply (UPS) Inductor

系统化磁性器件解决方案提供商
Systematic magnetic device solution provider

额定功率 Rated power	40KW		50KW	
	PFC 电感 PFC Inductance	INV 电感 INV Inductance	PFC 电感 PFC Inductance	INV 电感 INV Inductance
型号 Model	BTI160 μ H/150A	DAI100 μ H/180A	BTI130 μ H/200A	DAI80 μ H/250A
工作频率 Working Frequency (kHz)	5~20	5~20	5~20	5~20
温升 Temp (°C)	≤ 60	≤ 60	≤ 60	≤ 60
重量 Weight (kg)	23.0kg	17.0kg	18.0kg	24.0kg
封装形式 Configuration	b、c、d、e、f	b、c、d、f	b、c、d、f	b、c、d、f



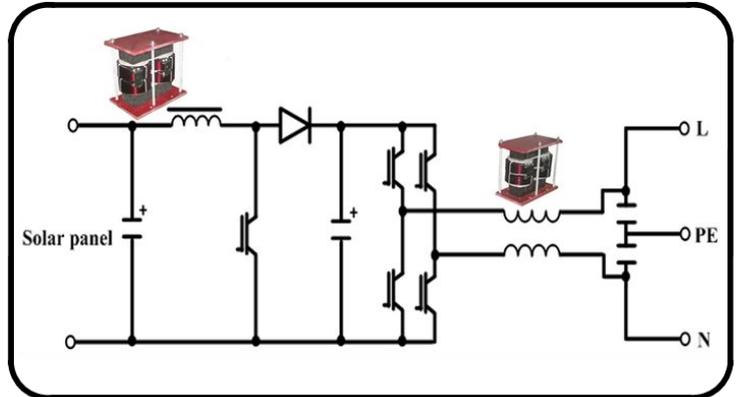
光伏并网逆变器电抗器

photovoltaic grid-connected inverter inductor

系统化磁性器件解决方案提供商

Systematic magnetic device solution provider

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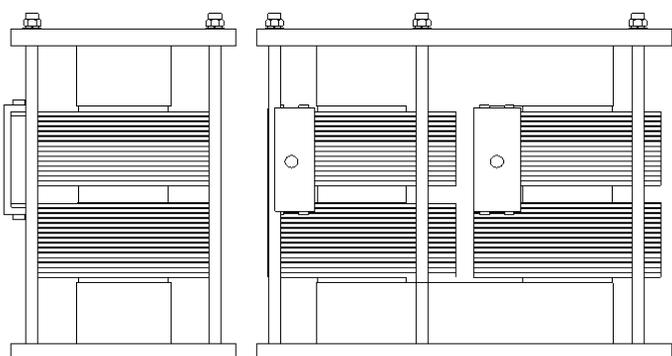
额定功率 Rated power	25KW		50KW	
	PFC 电感 PFC Inductance	INV 电感 INV Inductance	PFC 电感 PFC Inductance	INV 电感 INV Inductance
型号 Model	BTI1200 μ H/45A	DAI1000 μ H/40A	BTI900 μ H/90A	DAI800 μ H/72A
工作频率 Working Frequency (kHz)	5~20	5~20	5~20	5~20
温升 Temp ($^{\circ}$ C)	≤ 60	≤ 60	≤ 60	≤ 60
重量 Weight (kg)	5kg	4.0kg	15.0kg	14.0kg
封装形式 Configuration	a、b、c、d、e	a、b、c、d、e	a、b、c、d、e	a、b、c、d、e

额定功率 Rated power	100KW		250KW	
	PFC 电感 PFC Inductance	INV 电感 INV Inductance	PFC 电感 PFC Inductance	INV 电感 INV Inductance
型号 Model	BTI550 μ H/180A	DAI470 μ H/150A	BTI320 μ H/450A	DAI270 μ H/360A
工作频率 Working Frequency (kHz)	5~20	5~20	5~20	5~20
温升 Temp ($^{\circ}$ C)	≤ 60	≤ 60	≤ 60	≤ 60
重量 Weight (kg)	22.0kg	21.0kg	45.0kg	43.0kg
封装形式 Configuration	a、b、c、d、e	a、b、c、d、e	a、b、c、d、e、f	a、b、c、d、e、f

光伏并网逆变器电抗器
photovoltaic grid-connected inverter inductor

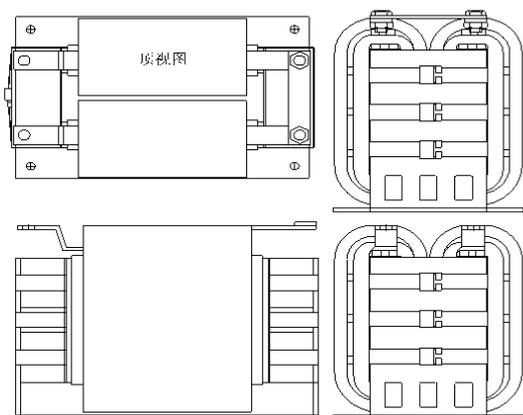
系统化磁性器件解决方案提供商
Systematic magnetic device solution provider

额定功率 Rated power	350KW		500KW	
	PFC 电感 PFC Inductance	INV 电感 INV Inductance	PFC 电感 PFC Inductance	INV 电感 INV Inductance
型号 Model	BTI315 μ H/640A	DAI270 μ H/500A	BTI200 μ H/900A	DAI170 μ H/720A
工作频率 Working Frequency (kHz)	5~20	5~20	5~20	5~20
温升 Temp (°C)	≤ 60	≤ 60	≤ 60	≤ 60
重量 Weight (kg)	78.0kg	55.0kg	80.0kg	75.0kg
封装形式 Configuration	a、e	a、e	a、c	a、c



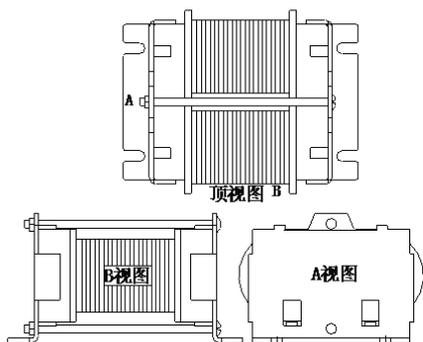
a

b



c

d



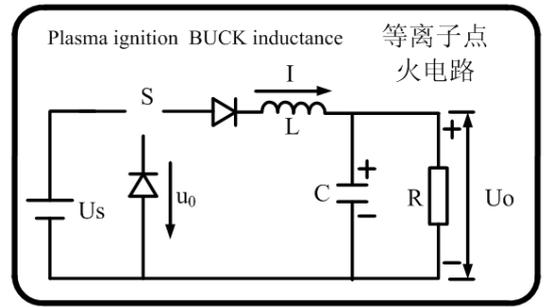
e

f

智能电网设备改造电抗器
Smart grid equipment reforming inductor

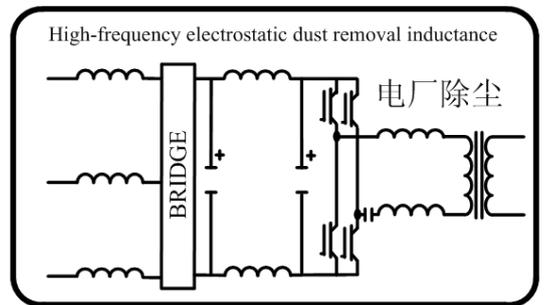
系统化磁性器件解决方案提供商
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- 3.该系列电抗器与使用铁硅磁芯电抗器相比具有低温升，低损耗，低成本的特点；



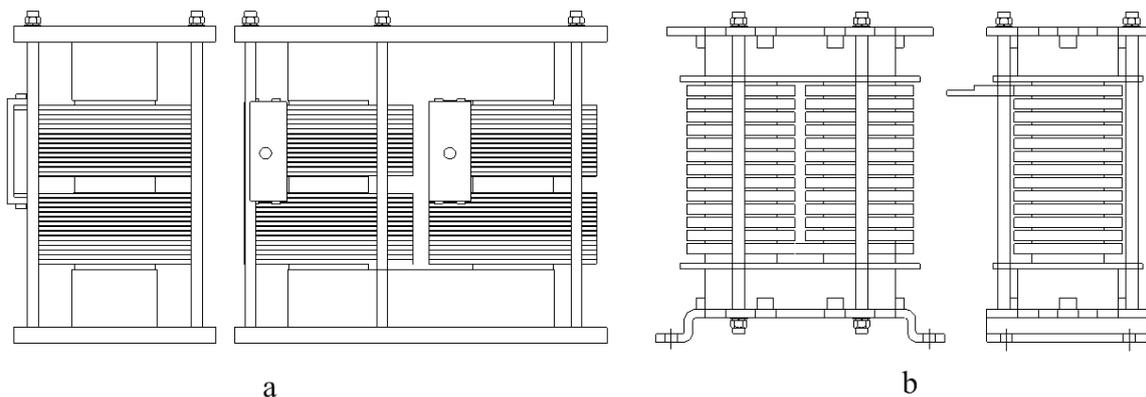
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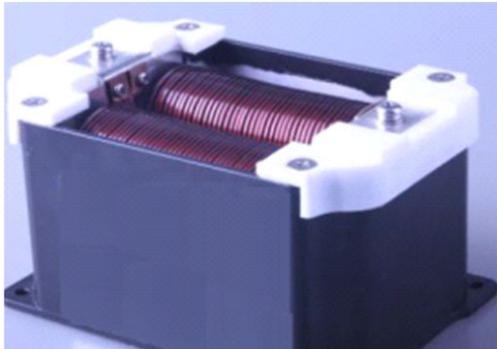
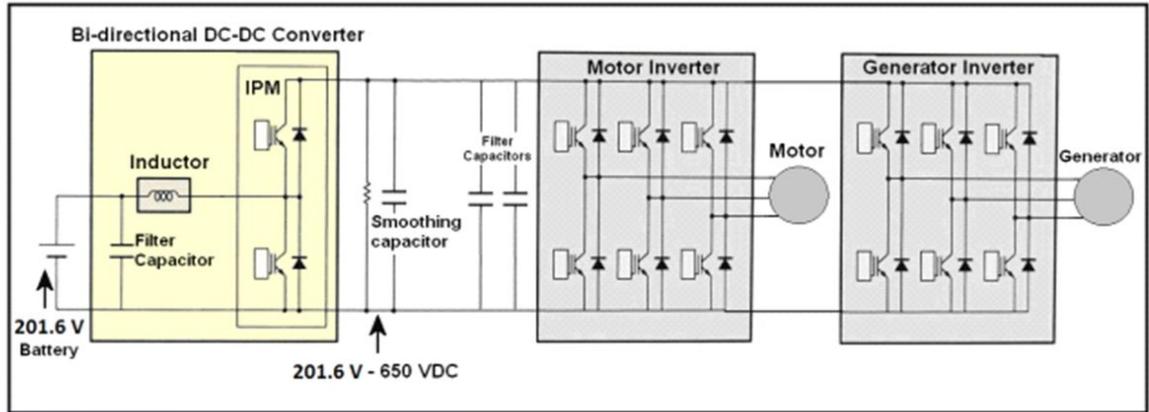
额定电流 Rated power	70A	290A	350A	400A
	BUCK 电感 BUCK Inductance	滤波电感 Choke Inductance	BUCK 电感 BUCK Inductance	滤波电感 Choke Inductance
型号 Model	BKI1200 μ H/70A	DCI30 μ H/290A	BKI500 μ H/350A	DCI18 μ H/400A
工作频率 Working Frequency (kHz)	5~60	5~60	5~60	5~60
温升 Temp ($^{\circ}$ C)	≤ 60	≤ 60	≤ 60	≤ 60
重量 Weight (kg)	15.0kg	30.0kg	65.0kg	40.0kg
封装形式 Configuration	a、b	a、b	a、b	a、b



电动汽车及高铁电感器
Electric vehicles and high-speed rail inductors

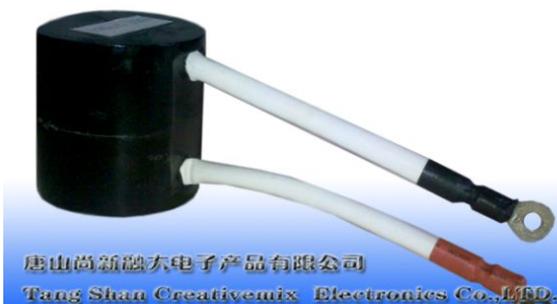
系统化磁性器件解决方案提供商
Systematic magnetic device solution provider

电动汽车boost电路电抗器
Electric vehicles boost inductors



采用扁平漆包线立式绕制工艺，功率涵盖3kW-50kW,可提供定制化解决方案
Flat enameled covered by the vertical wound power 3KW-50KW, providing customized solutions

高铁、动车组、城铁用高可靠性电抗器
High-speed rail EMU suburban reactors with high reliability



唐山尚新融大电子产品有限公司
Tang Shan Creativemix Electronics Co., Ltd.

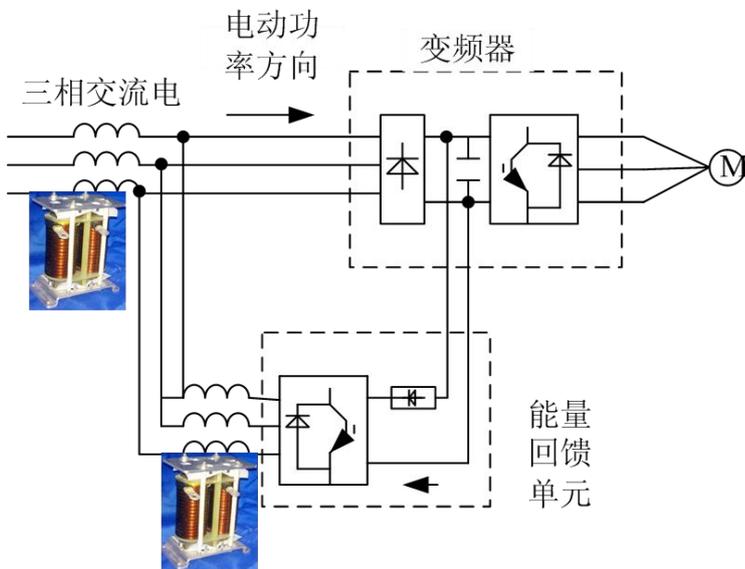
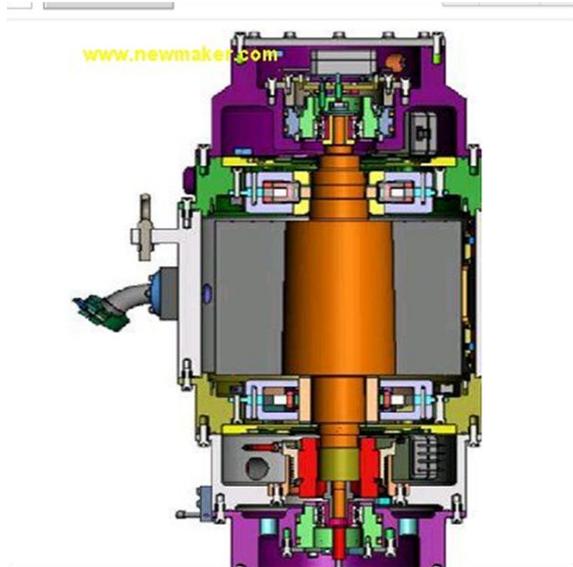
采用扁平漆包线立式绕制工艺，采用合金罐型磁芯，温升高、磁屏蔽好，满足高可靠性要求；电流从20A-650A,电感量从2mH-100uH,可提供定制化解决方案
Flat enameled covered by the vertical wound, Using alloy pot core, low temperature, magnetic shielding is good, to meet the high reliability requirements; Current from 20A-650A, inductance from 2mH-100uH, providing customized solutions

能量回馈及飞轮储能电感器

Energy Recovery and flywheel energy storage inductor

系统化磁性器件解决方案提供商

Systematic magnetic device solution provider



唐山尚新融大电子产品有限公司
Tang Shan Creativemix Electronics Co., Ltd.

采用扁平漆包线立式绕制工艺，电流从20A-1000A,电感量从2mH-10uH,可提供定制化解决方案
Flat enameled covered by the vertical wound, low temperature, high reliability requirements; Current from 20A-650A, inductance from 2mH-10uH, providing customized solutions

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