



节能 改变世界

Energy conservation changes the world

金属磁粉芯系列

MAGNETIC
POWDER CORES



— 不间断电源 —
UPS



— 光伏逆变器 —
PV inverter

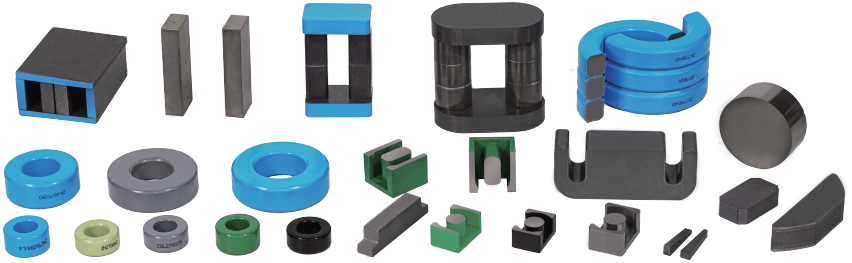


— 新能源汽车 —
New energy vehicle



— 服务器电源 —
Server Power

CATCH Metal Magnetic Core Family



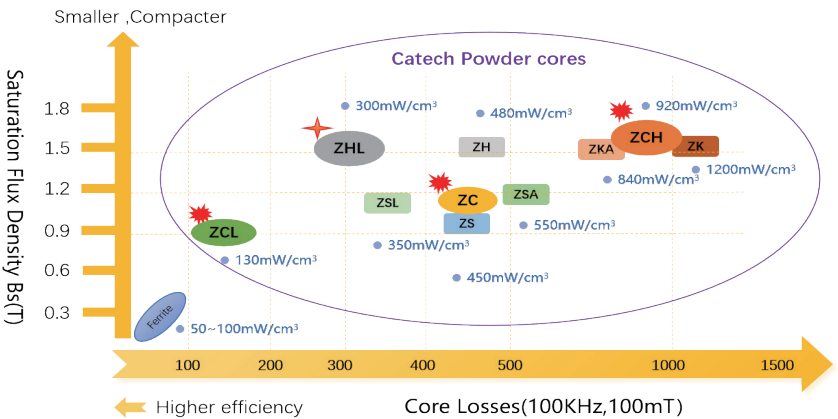
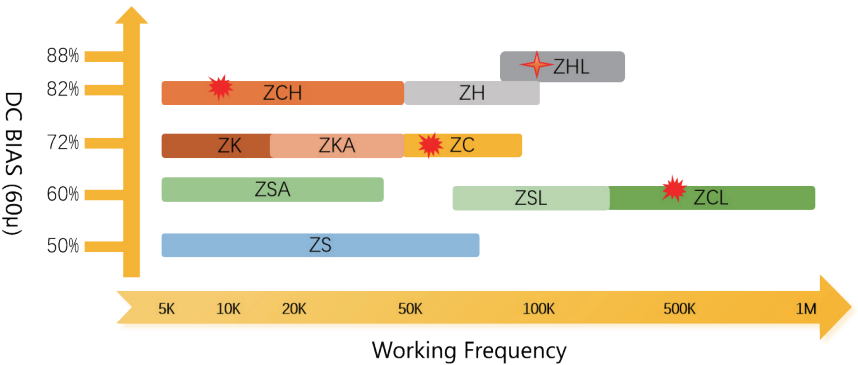
● Composite : ZCH,ZSA,ZCL,ZSL ● Iron silicon aluminum : ZS,ZSL

● Iron silicon : ZK,ZKA ● Iron nickel : ZHL,ZH

ZCH,ZC series
Cost-Effective

ZCL series
Altofrequent-Low Loss

ZHL series
High-Powered



Ultra-high performance superimposed low loss metal magnetic core

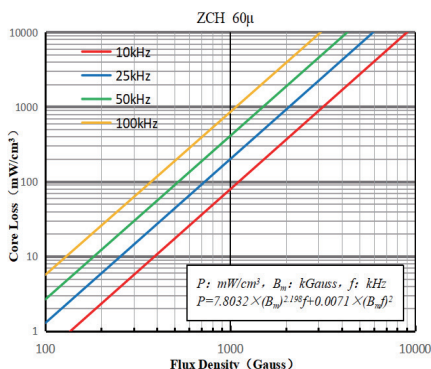
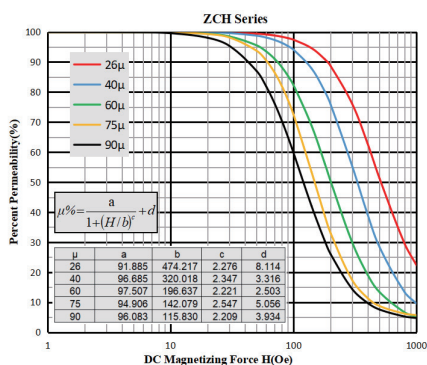
First choice for photovoltaic new energy

ZCH Series

Iron To Copper
Economical

- The saturation density is up to 1.6T,
- stacked character improve 10%,

Lower losses 30% than routine ferrosilicon material



Low loss composite metal magnetic powder core

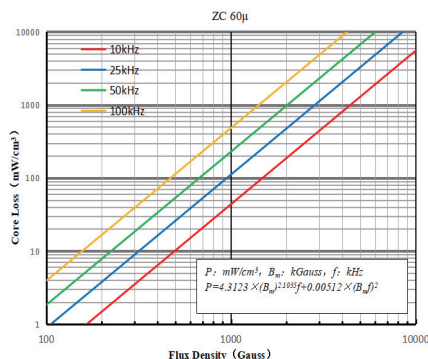
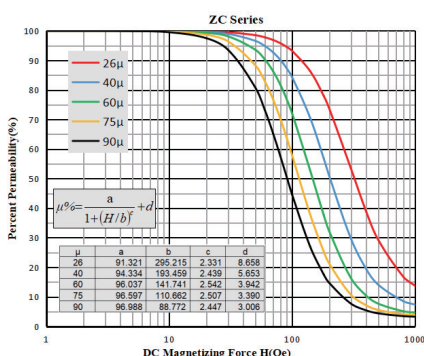
Photovoltaic new energy vehicle BOOST/PFC inductance preferred

ZC Series

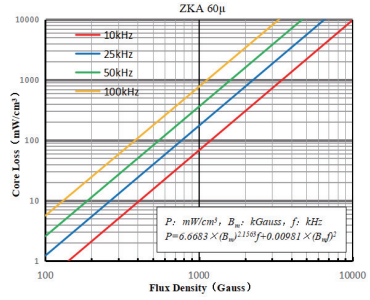
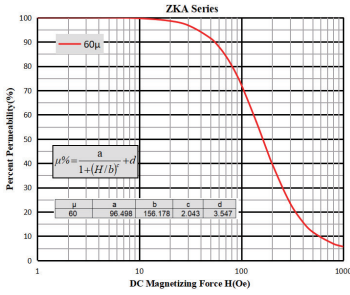
Significantly
reduce ripple loss

The saturation density is up to 1.6T, 100Oe

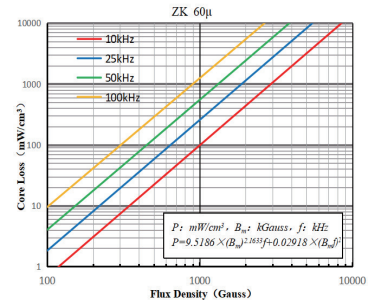
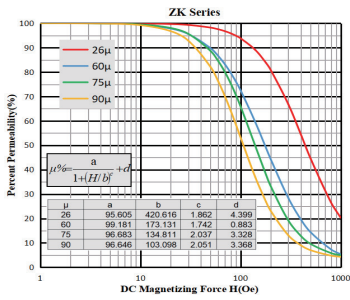
- stacking capability with lower losses compared
- to conventional iron-silicon, More than 50%
- lower than conventional iron silicon



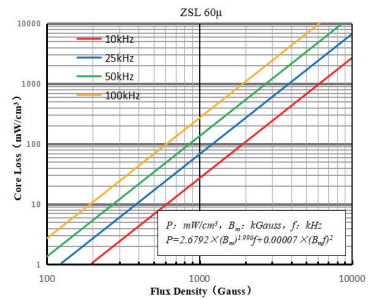
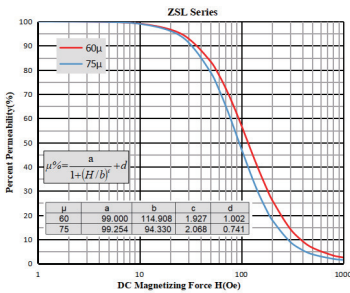
ZKA Serious



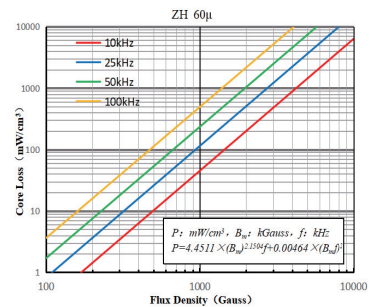
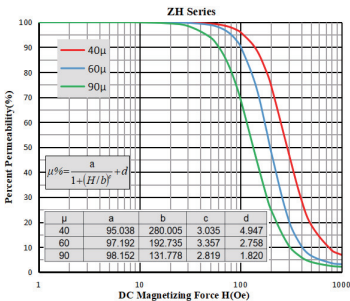
ZK Serious



ZSL Series



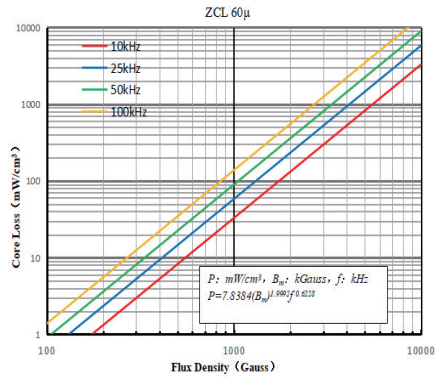
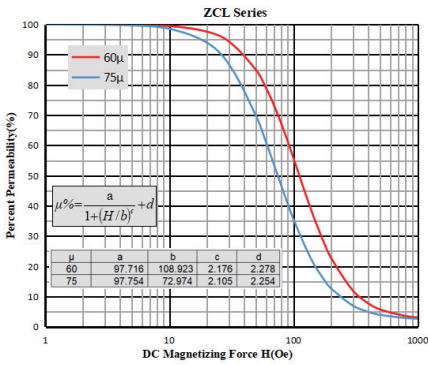
ZH Series



Data center , Server power supply High energy efficiency and high power density preferred-ZCL & ZHL Series

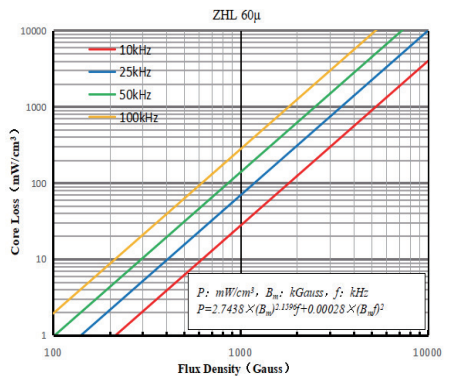
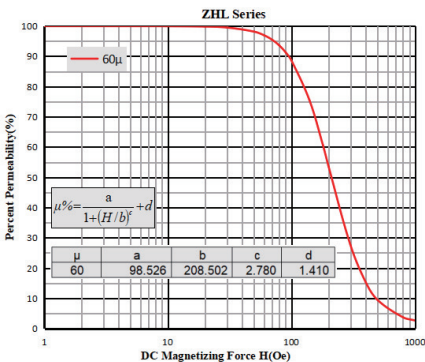
Nano composite ultra-low loss - ZCL Series

- Loss = 130mW/cm³,@100KHz,0.1T
- Stack performance 56%@100Oe



New generation lower loss high performance stack performance iron-nickel - ZHL Series

- loss lower 50%,50KHz,0.1T reach 130mW/cm
- Stack performance improve 5%,60μ reach 88%@100Oe



CATECH

中 研 磁 电 科 技

CHINA AMORPHOUS TECHNOLOGY CO.,LTD

佛山中研磁电科技股份有限公司

CATECH METAL Magnetic Powder core Family

CATECH NO.	材质 Material	磁导率 Permeability	饱和 磁通 密度 Bs	损耗 Loss (mW/cm ³)@ 50kHz,0.1T, 60μ	叠加 DC Bias L _{DC} @100Oe (60μ)	颜色 Color
ZCH	Composite core	26~90	1.6	400	82%	Blue
ZKA	Ferrosilicon	26~90	1.45	350	72%	Blue
ZKL	Composite core	26~90	1.45	160	68%	Blue
ZHL	Iron-nickel	26~90	1.5	130	88%	Deep blue
ZCL	Composite core	26~90	0.95	90	56%	Blue
ZSL	Composite core	26~90	1.15	130	57%	Green
ZC	Composite core	26~90	1.15	220	72%	Gary
ZSA	Composite core	26~90	1.2	280	60%	Green
ZK	Ferrosilicon	26~90	1.5	550	72%	Deep blue
ZS	Sendust	26~125	1.05	200	50%	Black
ZH	Iron-nickel	26~125	1.5	240	82%	Deep blue



公众号



产品手册

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