

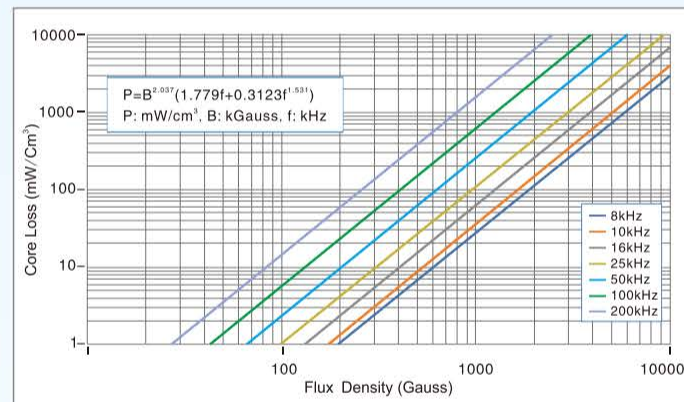
KPH-HP Cores

Sendust Platinum Cores
with High Performance

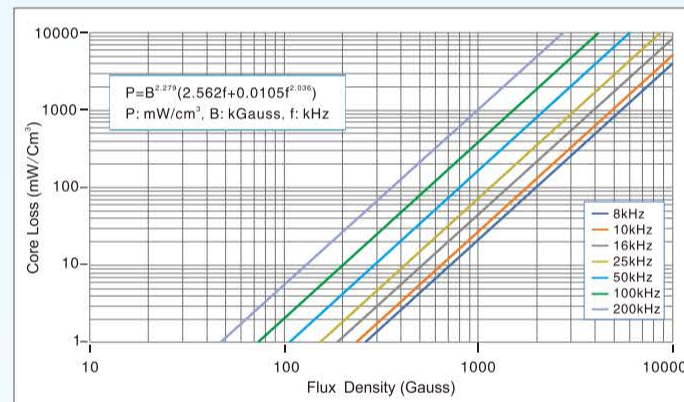


✓ **KPH-HP** is a new released high cost-effective gas atomization Sendust material. It has good DC-bias characteristics and low core loss. Compare with Super Sendust(KS-HF), KPH-HP has much lower core loss, so the efficiency of the applications will be highly improved. In the meantime, with good DC-bias characteristics of KPH-HP, the volume of the applications could be effectively reduced. Besides, KPH-HP has good stable temperature performance, it could be applicable for PV inverter, UPS, server power supply, charging piles and etc.

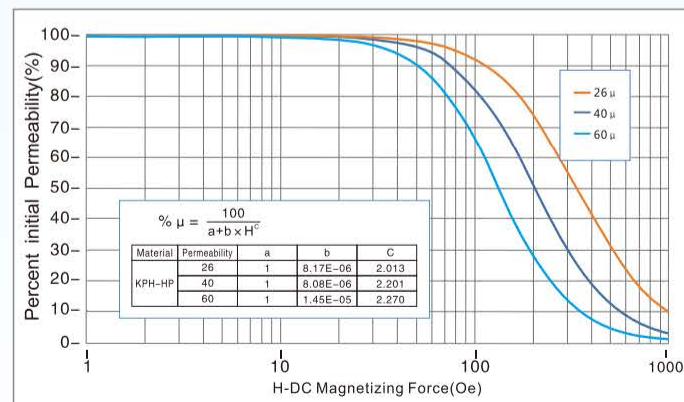
Core Loss Curve(KPH-HP 26/40 μ)



Core Loss Curve(KPH-HP 60 μ)



Permeability vs DC Magnetizing Force(KPH-HP)



Performance Table of Materials

Material	Permeability (μ)	Core loss (mW/cm³) @50kHz/100mT	Core loss (mW/cm³) @100kHz/100mT	DC Bias (% μ) @100Oe	Bs (T)
Sendust Platinum (KPH-HP)	60	150	423	66%	1.2
Sendust (KS)	60	280	660	47%	1.05
Super Sendust (KS-HF)	60	300	750	61%	1.2
Sendust Plus (KPH)	60	230	586	60%	1.2
Si-Fe® (KSF)	60	590	1465	72%	1.6

KPH-HP Cores

Sendust Platinum Cores
with High Performance

Case Study

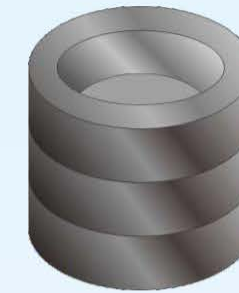
20KW PV Inverter



KS-HF Cores

VS

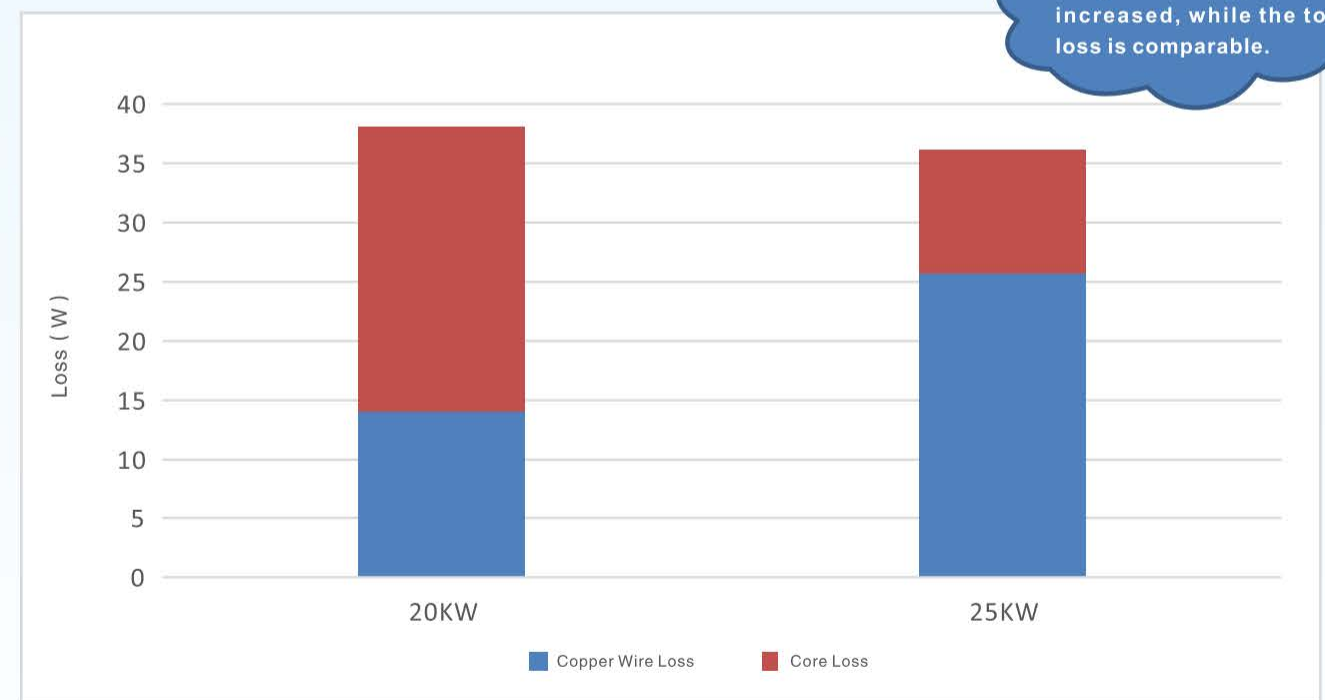
25KW PV Inverter



KPH-HP Cores



PV Inverter Core Loss Analysis



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