

 PRODUCTS FOR BATTERY

Current Sensor Core



Current Sensor Core

Our current sensor cores have a proven track record in the industry, offering versatile solutions that contribute to both enhanced capacity and downsizing in EV applications.

Applications



Inverter



Generator



Battery



Power Module

Sales History

- » European OEM
- » Japanese OEM
- » U.S. OEM
- » Chinese OEM

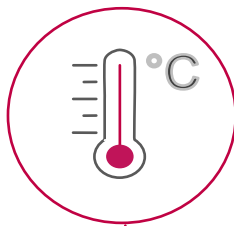
Product Overview

	Press Laminated Core (Stacking Core)	Dual Orientation Laminated Core	Wound Core	Wound Core with Partial Molding
Accurate for Current up to	800 A	1000 A	1600 A	1600 A
Magnetic Property (Index)	Caused by material magnetic property and structure (0.5)	Better than laminated core, not as good as wound core due to alternate lamination of grain-oriented steel sheets	Best structure for grain-oriented material (1.0).	Same or even better performance than wound core
Core Material	Non-oriented electrical steel sheets	Grain-oriented electrical steel sheets		
Outside Dimension	Can be controlled by punching shape (dimension tolerance +/-0.1 mm)	Can be controlled by punching shape (dimension tolerance +/-0.1 mm)	Need wide tolerance for inside and outside (dimension tolerance 0.5~0.8 mm)	Can be controlled by partially overmolding the core
Varnish Impregnation	Not necessary. Shape is fixed by staking	Not necessary. Shape is fixed by welding.	Necessary. - For fixing the core shape - To prevent disintegration by gap cutting	Not necessary. The overmold fixes the shape and prevents the disintegration of the core.
Metal Burrs at Gap Area	Not necessary. No cutting process	Not necessary. No cutting process.	Necessary to deburr the cutting burr. Deburr by filing and polishing, but it cannot be zero.	Not necessary to deburr the cutting burr. Burr is removed with molding resin in cutting.

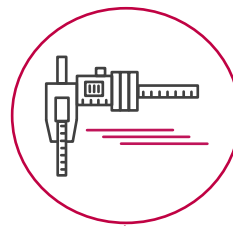
Quality Control - Guarantee for parts and magnetic performance



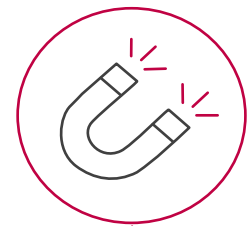
Quality Check



Perfect Control



Inspect



Manage



Track record of no claim from customers!

