



EASYSPLIT®

SPLIT-CORE CTs



The JPS series revenue-grade, split-core current transformers offer the high accuracy and low phase shift, and the easy two-handed opening and closing, with a safe output values of 100, 250, 333, 500, 1000mVac of voltage output and 50, 80, 100mA ac of current output.

The JPS series fulfill the standards, IEEE/ANSI C57.13, Class 0.3/0.6/1.2 accuracy and IEC 61869-2 Class 0.2S/0.5S/1.0 accuracy. Designed specifically for Revenue grade energy and power quality meters, the JPS series is available in four window opening sizes of 10mm / 20mm / 33mm / 52mm, with the current measurements 5A to 1,600A. All models are available in standard and revenue-grade accuracies and offer a wide range of reading from 1% to 120% of primary rated current, wider than other standard current transformers.

The JPS series revenue-grade split core CTs are optimized for Renewable energy power monitoring, Distribution circuit metering, and Power quality metering. They have a hinged opening mechanism for easy installation.

◆ Applications

- Power Metering.
- Sub-metering for Building; Energy efficiency monitoring, consumption analysis, and cost allocation.
- Power Quality Monitoring for Distribution System Equipment.
- Condition Monitoring for Conveyers, Pumps, etc.
- Hybrid Inverter for Home Energy Storage.
- Distributed Measurement Systems.

◆ Features

- PC spring, secure locking hinge, one-touch structure make easy to install to the existent equipments such as a power distribution boards.
- Isolated plastic case recognized according to UL94-V0
- N type (Nickel core)
- F type (Ferrite core)
- Lead wire: Yellow & Brown

◆ Benefits

- Small-size, light-weight
- Simple Installation
- Over-Voltage protection circuit is installed.

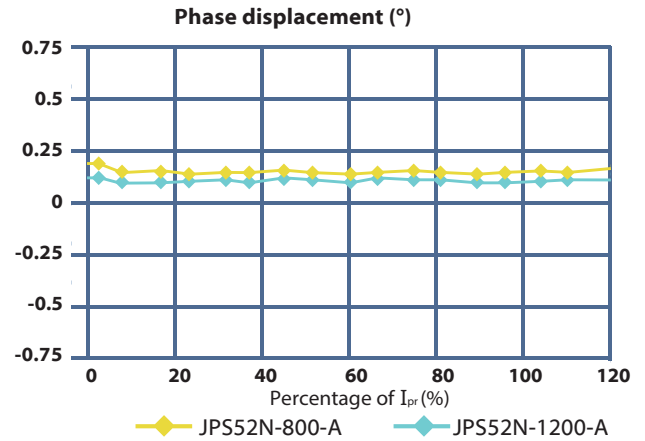
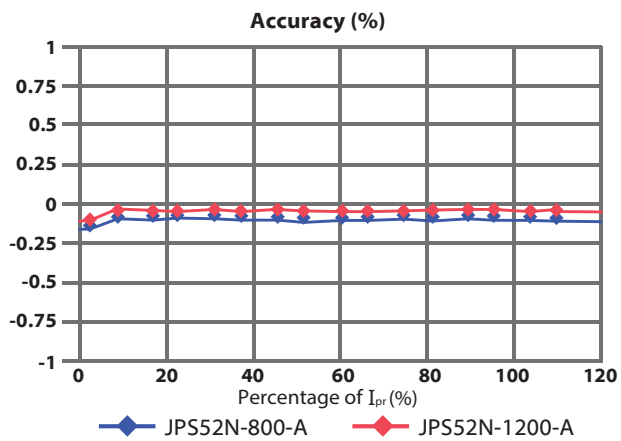
◆ Specifications

	JPS52X-XXXX-A
Accuracy	0.2S/0.5S class
Rated Amps	400, 500, 600, 800, 1000, 1200, 1600
Input Current	AC current, sine wave, 50/60Hz (specify)
Output Current	40, 50, 80, 100mAac
IEC Accuracy Class	IEC 61869-2 Class 0.2S/0.5S
US Accuracy Class	IEEE/ANSI C57.13, Class 0.3/0.6
Standard Lead Length	8 ft (2.4m) 18 AWG (Shielded Cable option)
Bandwidth	40Hz to 400Hz standard
Insulation Category	(PD2-1000VACrms. CATIII per 61010-1) 600VACrms. CATIV per 61010-1
Operating Temperature	-40°C to 70°C
Altitude	Up to 3000 meters, Pollution Degree 3, Humidity up to 95% (non-condensing)
Construction	Molded cases 115°C UL recognized plastic

◆ Accuracy class 0.2S/ 0.5S according to IEC 61869-2

Accuracy Class	±Percentage current(ratio) error at percentage of rated current shown below					±Phase displacement at percentage of rated current shown below				
	1%	5%	20%	100%	120%	1%	5%	20%	100%	120%
0.2S	0.75	0.35	0.2	0.2	0.2	30	15	10	10	10
0.5S	1.5	0.75	0.5	0.5	0.5	90	45	30	30	30

◆ Typical performance characteristics (F(I)[%]&f[°]@25°C/0.05VA@50Hz/60Hz)



◆ Dimensions

