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YADA ELECTRONICS

2026 Product Catalog



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▶ ABOUT YADA ELECTRONICS

Established in 1994, Guangdong Yada Electronics Co., Ltd. is a public company listed on the Beijing Stock Exchange, with a registered capital of 23.7 million US dollars. Yada focuses on the R&D, manufacturing and supply of comprehensive solutions for intelligent power monitoring and control systems, serving customers worldwide.

We have built two provincial-level R&D centers and been certified as a National High-Tech Enterprise and National Intellectual Property Demonstration Enterprise. Our 60,000 m² industrial park houses 37,000 m² of high-standard workshops, fully equipped with complete production lines, professional testing equipment and advanced laboratories.

Yada provides intelligent power meters, monitoring devices, surge protection products and sensors. Our products are widely applied in data centers, communication base stations, electric vehicle charging stations, rail transit, industrial buildings and municipal engineering projects. Featuring stable performance and complete functions, our products support customized design and have been adopted by numerous landmark projects and well-known enterprises.

With over 30 years of technical accumulation and on-site application experience, many of our technologies are at the leading level in China. Yada maintains strong competitive advantages in brand influence, core technology, product quality and customer resources.



▶ BUSINESS CERTIFICATES



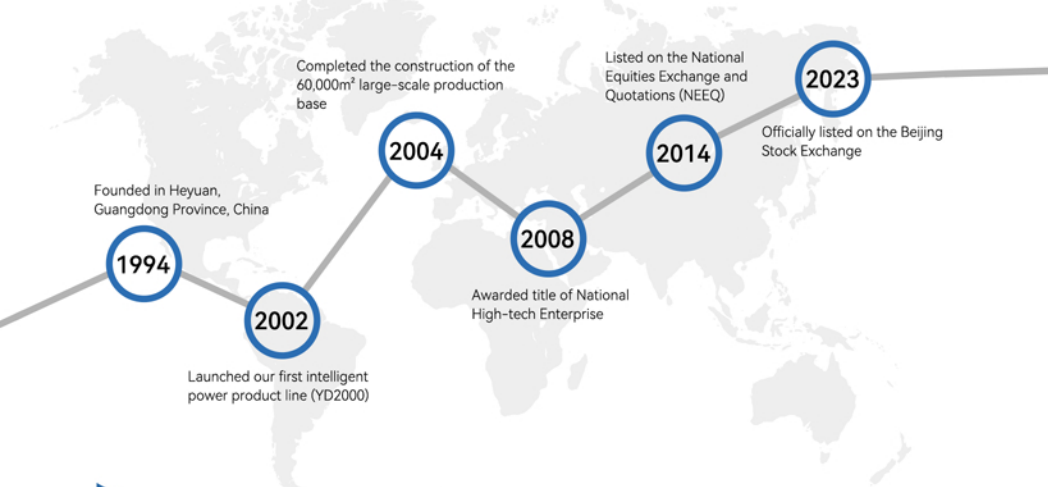
▶ PRODUCT CERTIFICATES



CORPORATE DEVELOPMENT

Since its founding in 1994, YADA has been dedicated to the intelligent power industry for over 30 years. We commit to delivering cost-effective products and creating value for customers through reliable quality and a comprehensive product portfolio.

We also provide an innovation and career development platform for employees and partners. Together with clients and team members, we strive to reach and exceed international advanced standards for safe and smart power utilization.



PREMIUM GLOBAL PARTNERS



PRODUCTION CAPACITY & QUALITY ASSURANCE



- Total Employees: 700+
- R&D Engineers: 160+
- Automated Production Lines: 20+
- Annual Output: 5,200,000 units
- 2025 Annual Revenue: 50,000,499.03 US dollars



HALL SENSOR SOLUTIONS

Yada Electronics supplies a full range of high-performance Hall-effect current sensors covering AC, DC, high-voltage and low-current types for energy monitoring, power electronics and smart automation systems.

Adopting non-contact isolation technology, our products achieve high-precision current measurement. They are widely applied in renewable energy, battery storage, EV systems, UPS, inverters and smart grid facilities.

Backed by rich industry experience and sophisticated manufacturing, our sensors feature reliable performance, compact structure and quick response for easy integration. We serve global OEMs, system integrators and energy management projects.



Key Features & Advantages

- **High Accuracy & Stability**

Precise Hall-effect measurement with excellent linearity, low drift, and long-term stability for demanding power applications.

- **Wide Current Measurement Range**

Supports AC/DC and complex mixed-wave currents, making it suitable for diverse industrial and energy systems.

- **Strong Electrical Isolation**

Safe galvanic isolation between primary and secondary circuits ensures reliability in high-voltage environments.

- **Fast Response & Real-Time Monitoring**

Enables dynamic current tracking with rapid response speed for advanced protection and control systems.

- **Compact & Easy Integration**

Lightweight, modular designs fit seamlessly into energy meters, EV chargers, PV inverters, UPS, and power control equipment.

- **High Reliability & Durability**

Industrial-grade components with excellent temperature performance for stable operation in harsh environments.

- **Flexible Output Options**

Supports multiple signal types (analog, voltage, current, digital) for easy system compatibility.

Current Sensors Key Specification Table

Product Chart				
Model Number	YDG-HSD/HTD Series	YDG-HZD Series	YDKR20-HSD/HTD Series	YDKR40-HSD/HTD Series
Measurement Mode	DC			
Power Supply	DC±12V,DC±15V	DC±12~15V	DC±12V±10%	DC±12V±10%
Input Current	50A~±2000A	DC0~±250A	0A~±300A	0A~±800A
Output	DC0V~4V	DC0~±40mA	0V~±4V	
Output Load	≥20kΩ	≤ 50 or ≤ 75Ω	>20kΩ	
Primary Conductor	Through-hole			
Accuracy (Linearity)	±1.0%	±0.5%	±1.0%	
Response Time	/	<2μs	≤10μs	
Working Frequency Withstand Voltage	AC 3kV/min.1mA			
Operating Temperature	0℃~45℃ (32℉ ~ 113℉)	-20℃~+65℃ (-4℉ ~ 149℉)	0℃~45℃ (32℉ ~ 113℉)	
Humidity (Without Condensation)	20%RH~95%RH	0~95% RH	20%RH~95%RH	
EMC / Immunity	JB/T 7490-2007	JB/T 7490-2007	JB/T 7490-2007	
Mechanical Dimensions(mm)	53.0×16.0×69.0	70.0×12.0×52.0	60.0×61.0×22.0	100.0×100.0×29.0
Weight	/	70g	/	/
Housing Material	Insulating Plastic Case, UL-94-V0.			
Mounting Method	M5 Screw	M4.5 Screw	M4 Screw	M5 Screw
Typical Applications	EV Charging, BESS, UPS, Inverters, Motor Control, Sub-metering			

Product Chart			
Model Number	YDKF64-HSD/HTD Series	YDBF40-HSD Series	YDBF64-HSD Series
Measurement Mode	DC		
Power Supply	DC±12V±10%	DC±15V	DC±15V
Input Current	200A~±1500A	200A~±1500A	500A~±2500A
Output	0V~4V/4~20mA	0~4V	0~4V
Output Load	≥20kΩ	>10kΩ	>10kΩ
Primary Conductor	Through-hole		
Accuracy (Linearity)	±0.5%	≤ ±0.5%	≤ ±0.5%
Response Time	≤10μs	≤ 5μs	≤ 5μs
Working Frequency	AC3kV/min.1mA	AC5kV/min.1mA	AC5kV/min.1mA
Withstand Voltage			
Operating Temperature	0℃~45℃ (32℉ ~ 113℉)	-40℃~105℃ (-40℉ ~ 221℉)	
Humidity (Withut Condensation)	20%RH~95%RH		
EMC / Immunity	JB/T 7490-2007		
Mechanical Dimensions(mm)	135.0×62.0×50.4	89.3×42.6×65.0	114×43×62.0
Weight	/	242g	/
Housing Material	Insulating Plastic Case, UL-94-V0.		
Mounting Method	M5 Screw		
Typical Applications	EV Charging, BESS, UPS, Inverters, Motor Control, Sub-metering		

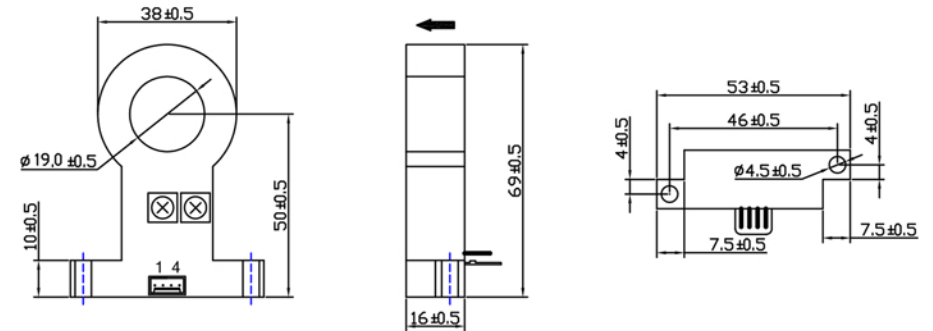
Hall Sensors

YDG-HSD/HTD Series

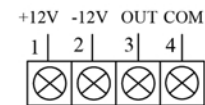


External Dimensions

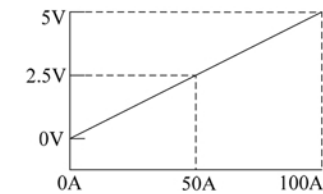
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Connecting Diagram



Connecting Diagram



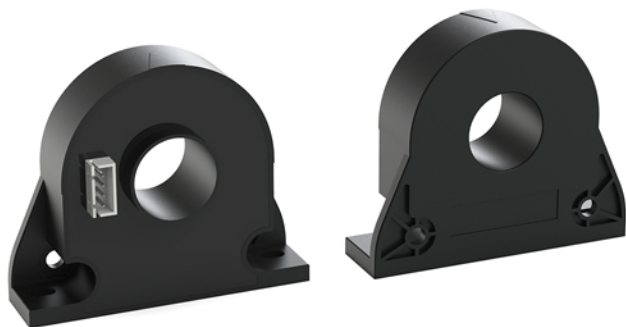
Output Curve Diagram

Terminal definition

- 1, Power supply anode
- 2, Power supply cathode
- 3, Terminal for measuring output
- 4, Common terminal for power supplier(output)

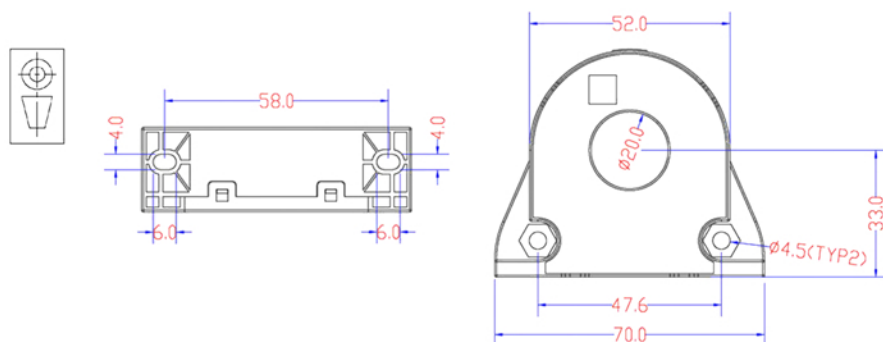
Hall Sensors

YDG-HZD Series

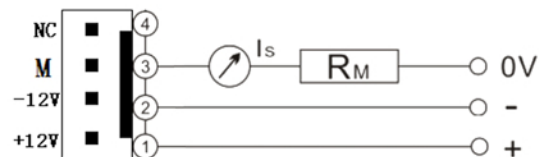


External Dimensions

(Units: mm, Tolerance: ± 0.5)



Connecting Diagram



1. Positive power supply: DC+12~15V
2. Negative power supply: DC-12~15V
3. Measuring output
4. NC Vacant NC

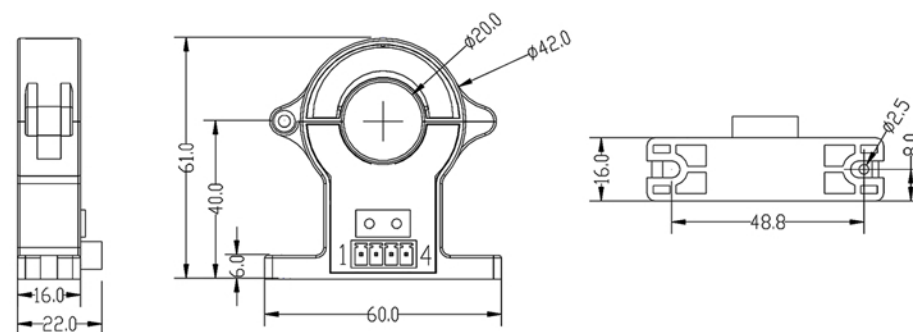
Hall Sensors

YDKR20-HSD/HTD Series

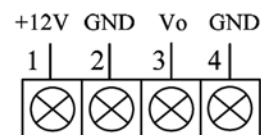


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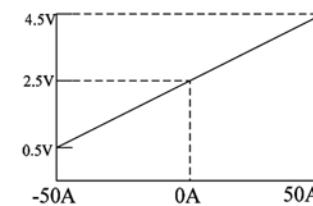
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Connecting Diagram



Connecting Diagram



Output Curve Diagram

Terminal definition

1. Terminal definition
1. Power supply anode
2. Power supply GND
3. Terminal for measuring output
4. Terminal for measuring GND

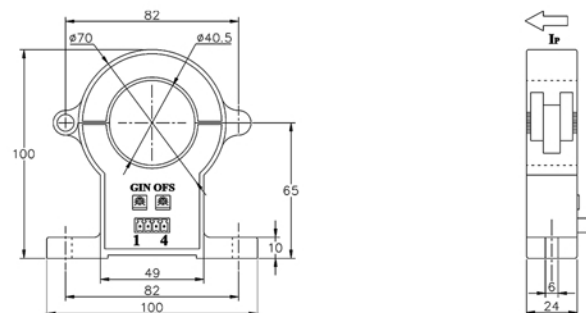
Hall Sensors

YDKR40-HSD/HTD Series

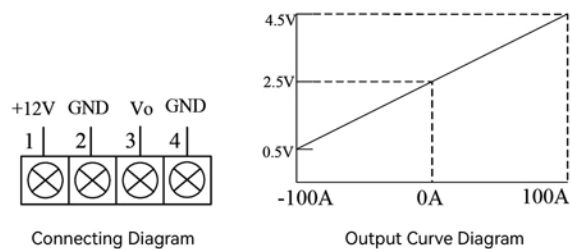


External Dimensions

(Units: mm, Tolerance: ± 0.5)



Connecting Diagram



- Terminal definition
1. Power supply anode
 2. ommon terminal for power supplier(output)
 3. Terminal for measuring output
 4. Common terminal for power supplier(output)

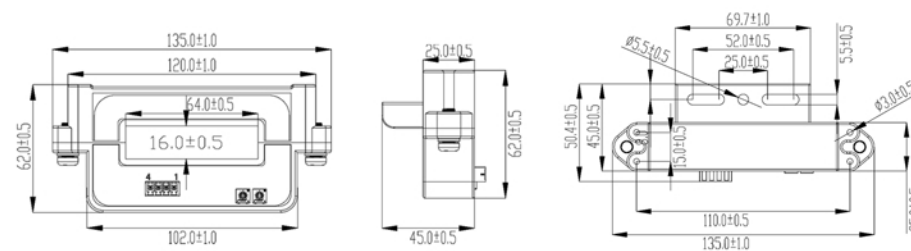
Hall Sensors

YDKF64-HSD/HTD Series

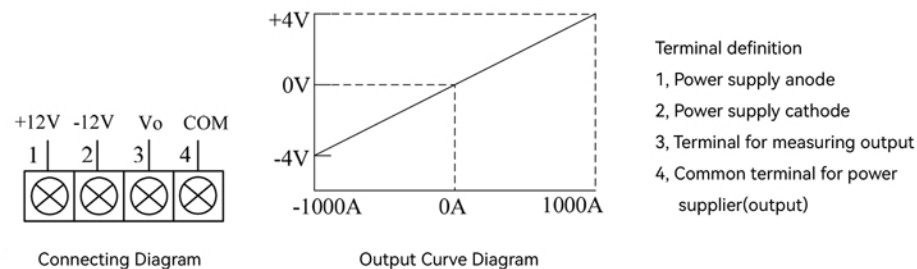


External Dimensions

(Units: mm, Tolerance: ± 0.5)

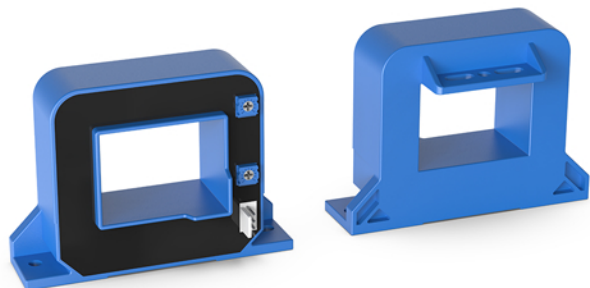


Connecting Diagram



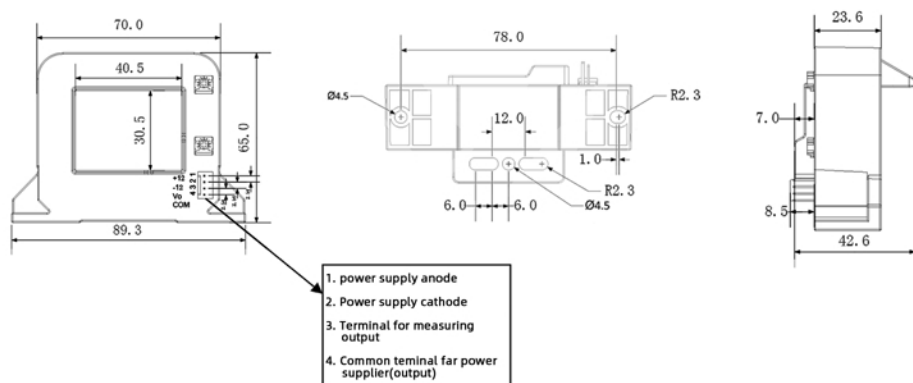
Hall Sensors

YDBF40-HSD Series



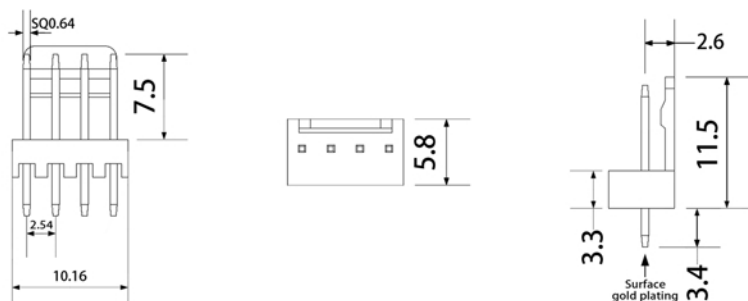
External Dimensions

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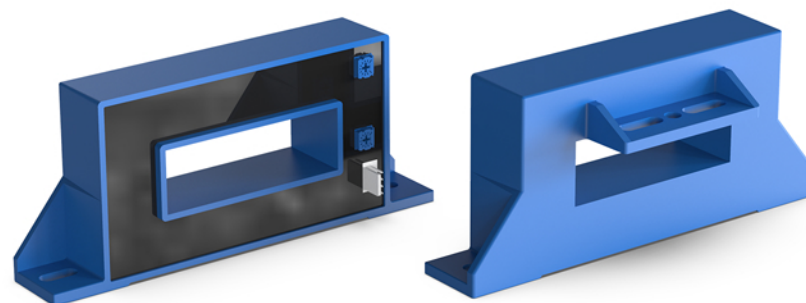
Terminal Structure Diagram

(Units: mm, Tolerance: ± 0.5)



Hall Sensors

YDBF64-HSD Series



External Dimensions

(Units: mm, Tolerance: ± 0.5)

