

# Hetai 合泰



CHANGZHOU HETAI ELECTRIC MOTORS&APPLIANCE CO., LTD.



World-leading Motor Supplier

**Keep Creating Value for Customers**

**Improving the Life Quality for Staff**

**Keep Elevating Shareholder's Equity**

# COMPANY PROFILE

» ChangZhou Hetai (Stock code:834300) is a leading manufacturer with advanced technology and innovative management mode. Hetai specializes in producing servo motors, DC Motors, hybrid stepping motors, drivers and so on.

Hetai dedicates to professional electrical integration and automation strategies for customers. The products are almost applied in robots, packing machinery, textile machinery, medical instruments, printing machinery, intelligent logistics equipment... Hetai also sends its products to USA, Europe, Southeast Asia and all-around China.

Hetai is located in ChangZhou, JiangSu province and its workshop area is over 35,000. Since Hetai reformed in 1998, the specialization, scale of production has ensured to manufacture 3,000,000 motors every year.

» In the year 2003, Hetai was qualified by ISO9001/TS 16949 Certificate, and passed supervision successfully. The company also attained import and export right of external trade of self-management.

» In 2005, Hetai has qualified by EU Type Examination Certificate and get four Invention Patent, seven Utility Patent, and one Appearance Design Patent.

» Hetai was quoted on the stock market in 2015.

Hetai was authenticated by safety standardization management system in next year.

The company was qualified as high-tech enterprise in 2018.

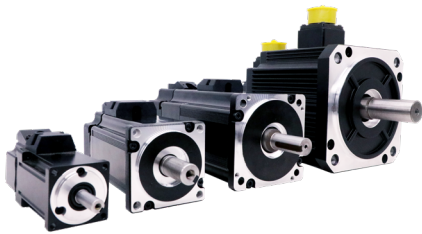


**ISO9001**



**IATF16949**

**General  
Range**



**Servo Motor**



**DC Brushless Motor**



**Planetary Gearbox**



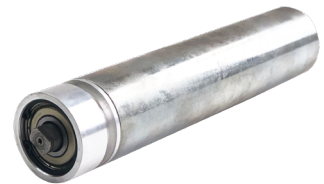
**Stepping Motor**



**Gearbox Motor**



**Driver**



**Electric roller Motor**

# STEPPER MOTOR DRIVER

## Two-Phase Digital Stepper Motor Driver

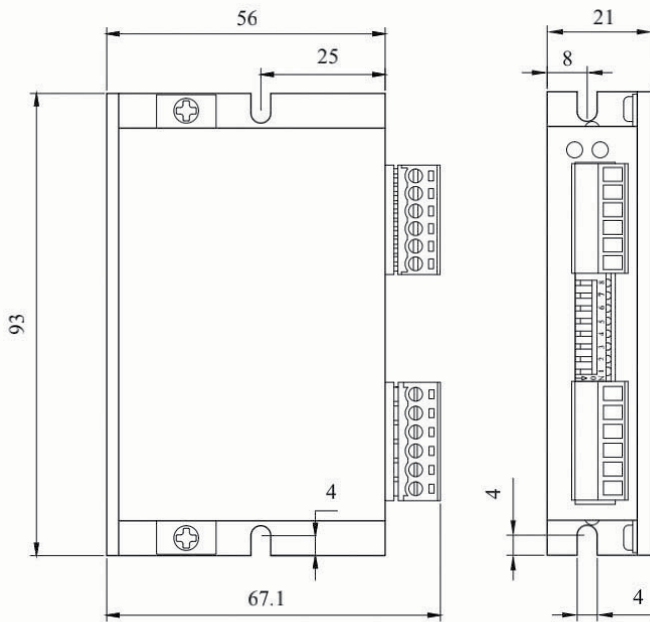


### HTD525

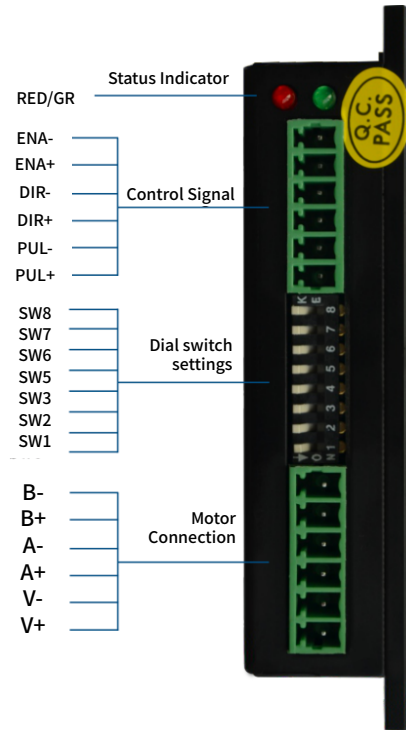
Driver Parameters	Minimum Value	Typical Value	Maximum value	Unit
Input voltage	12	24	50	VDC
Drive current	0.3	-	2.5	A
Input pulse frequency	1	-	1M	Hz
Input pulse width	250	-	5E+8	ns
Input signal voltage	3.6	5	24	VDC
Cooling mode	Natural cooling or forced cooling			
Use occasion	Avoid dust, oil stain and corrosive gas			
Operating environment temperature	0~40°C			
Highest environment humidity	90%RH (no condensation)			
Storage temperature	-10 ~70°C			
Maximum vibration	5.9m/S2 max			
Net weight	0.273 kg			

### HTD525

Fit stepping motor 28, 35, 39,42 series



Installation Dimension Drawing (unit: mm)



DIP switch setting  
SW9 SW10 SW11



# STEPPER MOTOR DRIVER

## Two-Phase Digital Stepper Motor Driver

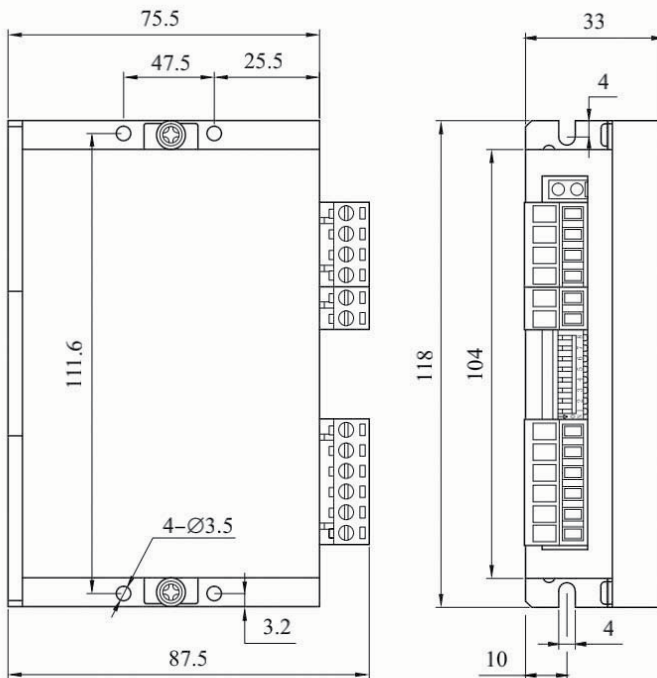


### HTD542

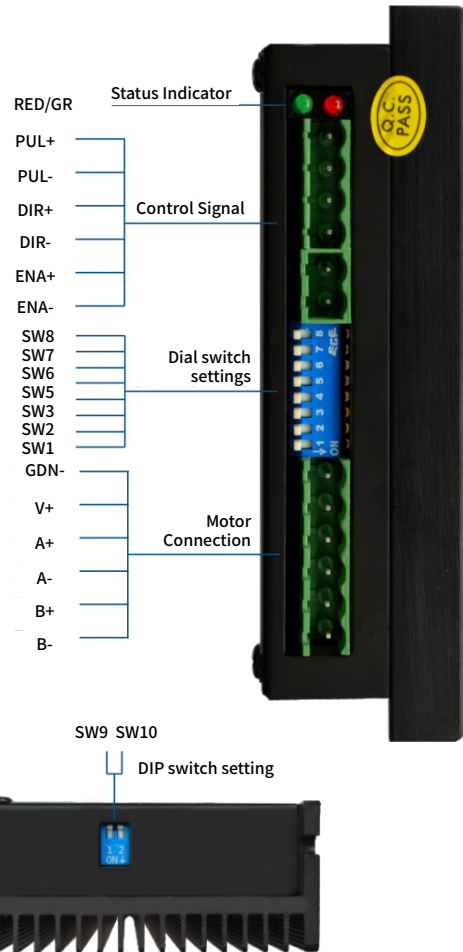
Driver Parameters	Minimum Value	Typical Value	Maximum value	Unit
Input voltage	18	48	50	VDC
Drive current	1.0	-	4.2	A
Input pulse frequency	1	-	200K	Hz
Input pulse width	250	-	5E+8	ns
Insulation resistance	500	-	-	MΩ
Cooling mode	Natural cooling or forced cooling			
Use occasion	Avoid dust, oil stain and corrosive gas			
Operating environment temperature	0~40°C			
Highest environment humidity	90%RH (no condensation)			
Storage temperature	-10 ~70°C			
Maximum vibration	5.9m/S <sup>2</sup> max			
Net weight	0.273 kg			

### HTD542

Fit stepping motor 42, 57, 60series



Installation Dimension Drawing (unit: mm)



# STEPPER MOTOR DRIVER

## Two-Phase Digital Stepper Motor Driver

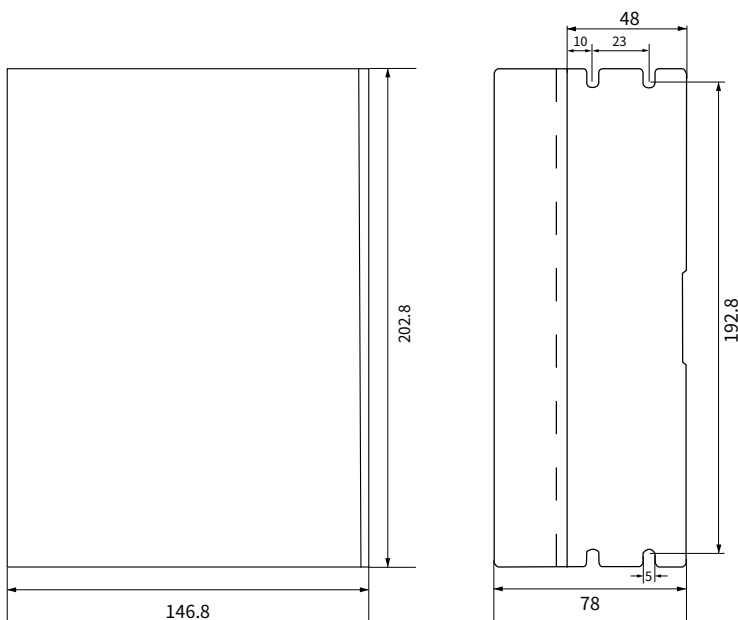


## HTD872A

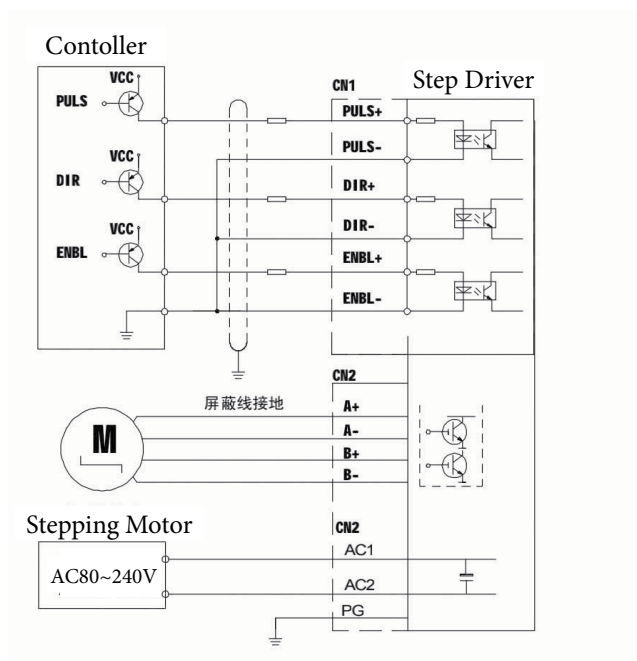
Driver Parameters	Minimum Value	Typical Value	Maximum value	Unit
Input voltage	80VAC	220VAC	240VAC	V
Output current	1.29	-	8.2 (mean value 5.86A)	A
Step pulse frequency	0	-	200k	Hz
Logic input current	7	10	16	mA
Insulation resistance	500			MΩ
Cooling mode	Natural cooling or forced cooling			
Use occasion	Avoid dust, oil stain and corrosive gas			
Operating environment temperature	-20~+40°C			
Highest environment humidity	40~90%RH (no condensation)			
Storage temperature	-20 ~+50°C			
Maximum vibration	5.9m/S2 max			
Net weight	0.614 kg			

## HTD872A

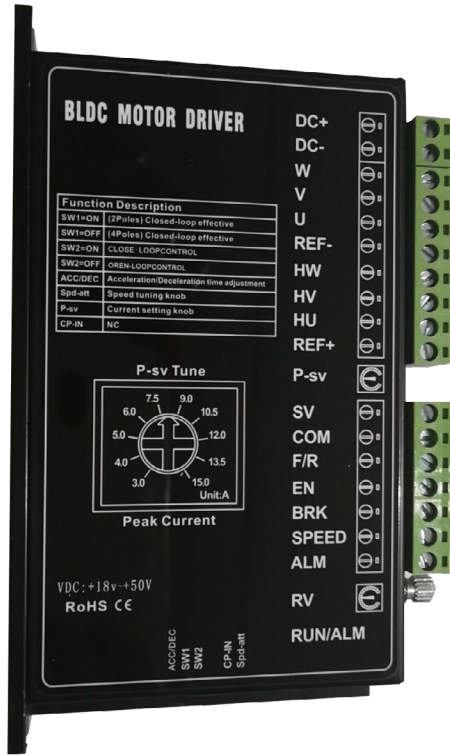
Fit stepping motor 60, 85, 86 series



Installation Dimension Drawing (unit: mm)



# BLDC MOTOR DRIVER

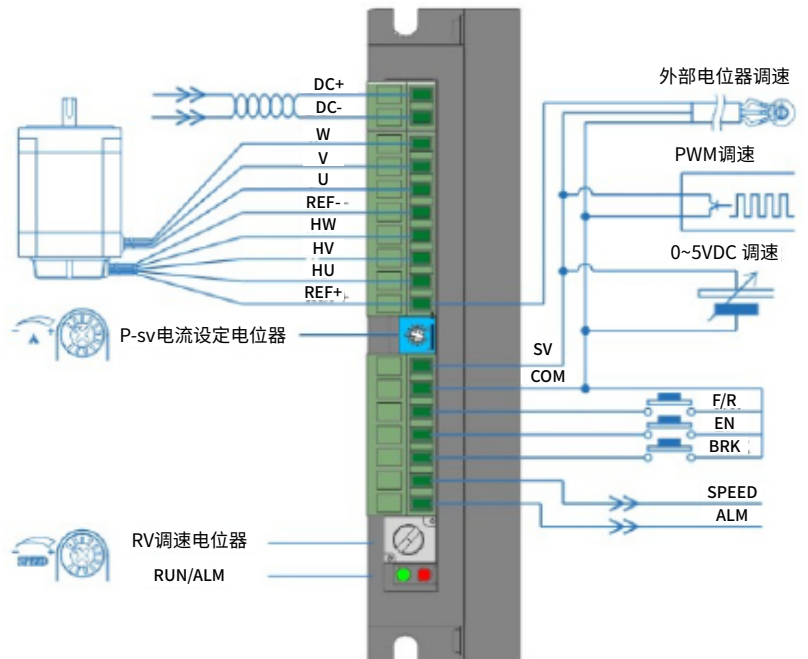
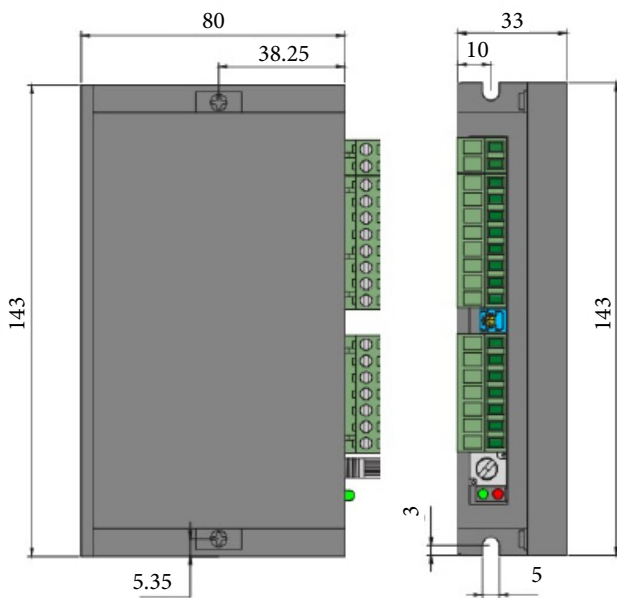


## BLDC-5015A

Driver Parameters	Minimum Value	Rated Value	Maximum value	Unit
Input voltage	12	48	56	VDC
Output Current	-	-	15	A
Applicable motor speed	0	-	20000	RPM
Hall signal voltage	-	-	5	V
Hall drive current	12	-	-	mA
External speed regulator	-	10	-	kΩ
Cooling mode	Natural cooling or forced cooling			
Use occasion	Avoid dust, oil stain and corrosive gas			
Operating environment temperature	0~50°C			
Highest environment humidity	<90%RH (no condensation)			
Storage temperature	-10 ~70°C			
Maximum vibration	5.7m/S <sup>2</sup>			
Net weight	0.628 kg			

## BLDC-5015A

Fit Brushless motor 42, 57 series



Installation Dimension Drawing (unit: mm)



# BLDC MOTOR DRIVER

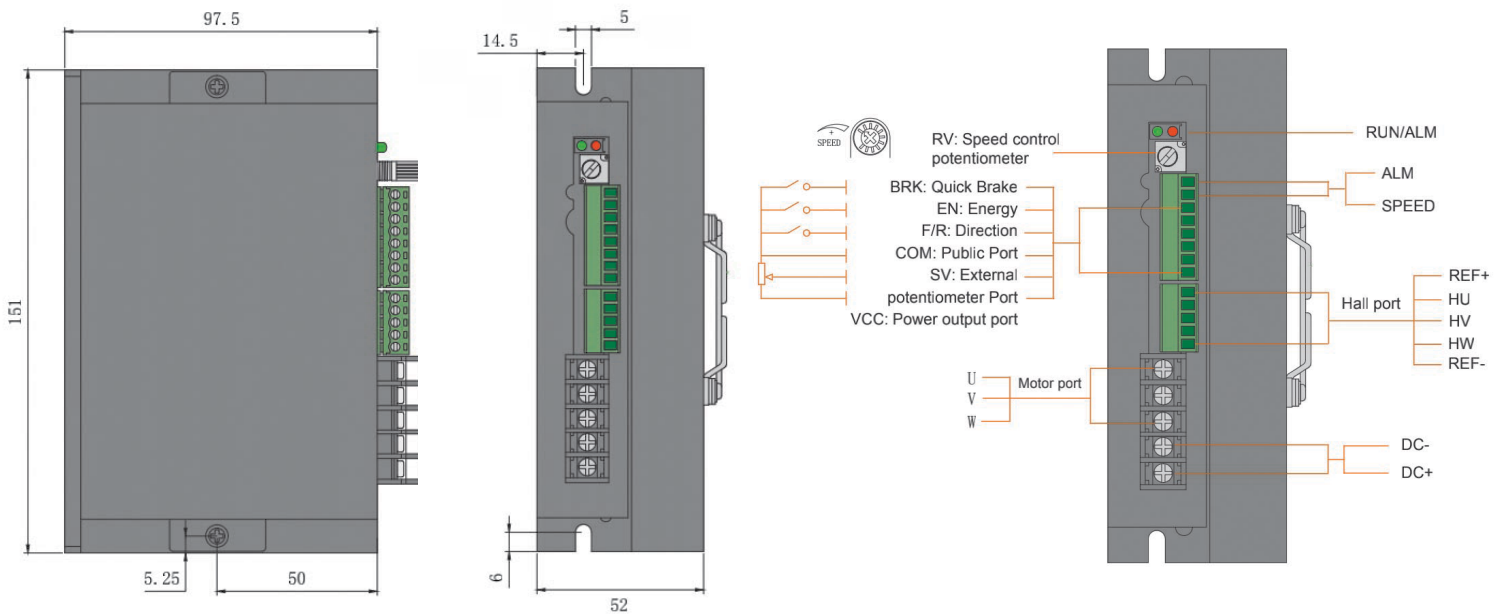
## BLDC-5025A



Driver Parameters	Minimum Value	Rated Value	Maximum value	Unit
Input voltage	18	48	50	V
Output current	-	25	45	A
Applicable motor speed	0	-	20000	rpm
Hall signal voltage	4.5	5	5.5	V
Hall drive current	-	20	-	mA
External speed-control potentiometer	-	10	-	(K $\Omega$ )
Cooling mode	Natural cooling or forced cooling			
Use occasion	Avoid dust, oil stain and corrosive gas			
Operating environment temperature	10~+50°C			
Highest environment humidity	80%RH (no condensation)			
Storage temperature	-20 ~+120°C			
Maximum vibration	5.7m/S <sup>2</sup> max			
Net weight	0.628 kg			

## BLDC-5025A

Fit brushless motor 57, 80, 86 series



Installation Dimension Drawing (unit: mm)