

AC500 Series Engineering AC Drive



VEICHI

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Official Website

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Stock code:688698

About us



VEICHI Electric (stock code: 688698) specializes in electric drive and industry control, establishing itself as a leading high-tech enterprise in the R&D, production, and sales of industrial automation products. With R&D and manufacturing facilities in Suzhou, Shenzhen, and Xi'an, along with a fully-owned subsidiary in India, VEICHI serves the global market by offering competitive, safe, and reliable products and services.

A wide range of VEICHI products and solutions tailored to various scenarios, including AC drives, servo systems, and control systems, have been acclaimed with plentiful proven applications across sectors from light to heavy industries, propelling intellectualization transformation in manufacturing. Keeping pace with development trends, VEICHI is branching into burgeoning sectors like robotics, new energy, and healthcare, introducing innovative products such as coreless motors, frameless motors, photovoltaic drives, and surgical power systems for further industrial advancement.

Abundant patented technologies with independent intellectual properties have testified VEICHI's years of dedication to independent R&D and innovation in core motor control technologies including vector control for PMSM, high-frequency pulse injection, speed tracking for start-up,

high-speed field-weakening, scalar V/F and vector control, as well as silicon carbide applications, auto tuning of motor parameters, and protection functions. As of September 30, 2023, VEICHI holds 165 patents, including 44 inventions.

Throughout its history, VEICHI has made significant progress patiently but surely, earning numerous prestigious awards and certifications from national and provincial authoritative entities and organizations. These accolades include titles such as "The Third Batch of Specialized and Sophisticated 'Small Giant' Enterprises with Distinctive New Products," "High-tech Enterprises," "Jiangsu Provincial Engineering Technology Research Center," "Jiangsu Provincial Enterprise Technology Center," and "Jiangsu Provincial Industrial Internet Development Demonstration Enterprise (Benchmarking Factory Category)."

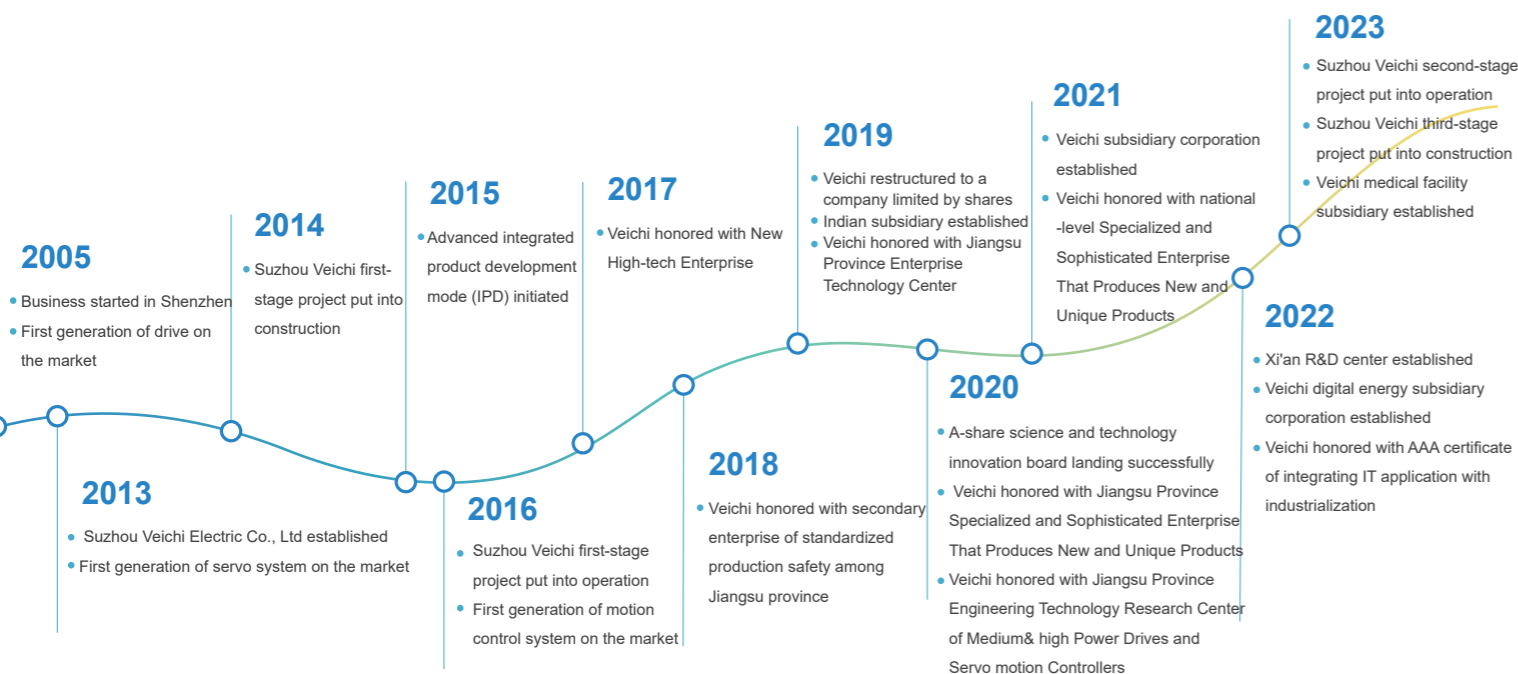
Looking forward, VEICHI will, by the business philosophy of "guided by market demand and driven by technological innovation", make breakthroughs in key core technologies for more refreshing products and explore more reassuring applications based on their competitive performance and quality, energizing the electrical drive and industrial control sector one more step further.

AC500 Series



AC500 engineering drives designed for high-end industries, feature VEICHI outer and structural design with enhanced internal upgrades:

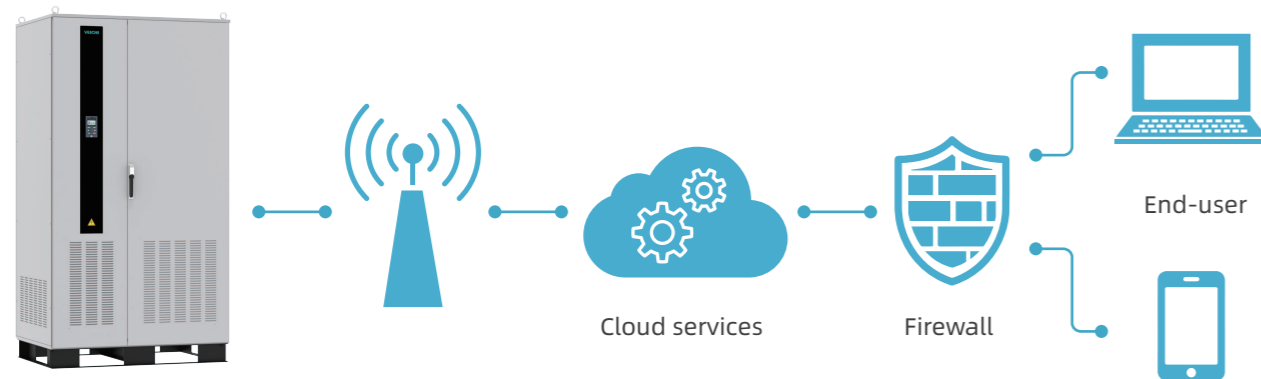
- Compliance with RoHS standards in device selection and overall production, enhancing hardware structure and protection process for adaptability, safety, and longevity.
- Sophisticated software integrating vector control and sync. reluctance motor algorithms for versatility.
- Certified by CE and EAC for various market needs, known for high performance, reliability, and applicability.



Features

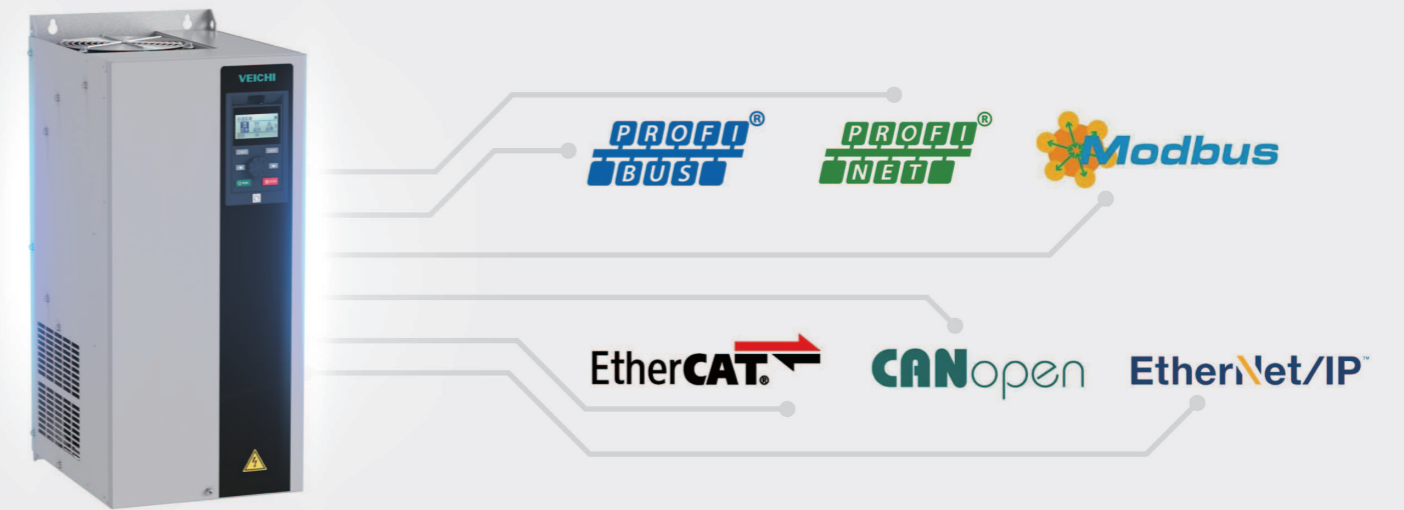
Portable cards for diverse configuration

Various VEICHI function/communication cards are supported for different engineering needs, ensuring reliability and practicality.



Expansion cards for different application

VEICHI's expansion cards provide the product with flexible, rational selections for complex applications.



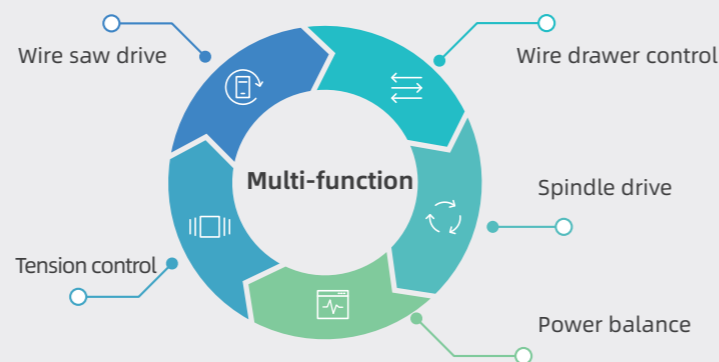
VEICHI host PC for easy use

VEICHI's proprietary software simplifies debugging, offering clear insights into product functions and reducing reliance on manuals and peripheral equipment.



Tailored parameters for specific industries

Powered by extensive industry knowledge, VEICHI integrates various applications for quick parameter settings, meeting industry-specific needs.



Narrow body in VEICHI style

VEICHI's book-style design combines aesthetics with compactness, offering more efficient space use than similar products under the same power. Its independent air duct enhances heat dissipation and protects the product against harsh environments.



Reliable components from global industry leaders

Sourcing key components from top-brand components by coding every device, and coupling with long-term partnerships ensures product stability, reliability, and a steady supply.

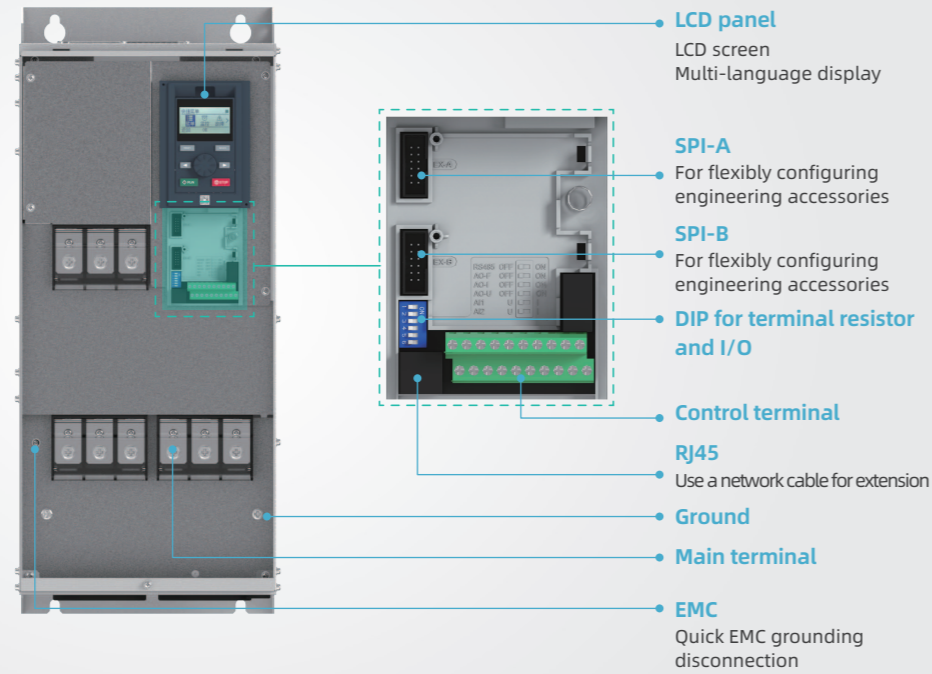
RoHS 2.0 Compliance for safer and greener drive

The AC500 series complies with RoHS standards by meticulously managing materials and production to exclude hazardous substances, meeting high industry safety and environmental benchmarks, and thus making it a secure and eco-friendly choice.

Hardware Structure

Sleek layout and easy wiring

The AC500 series boasts a compact design, offering diverse terminals, flexible setups, and efficient component layout for clear wiring, suitable for various engineering applications.



New structure design

Separate design of electronics and ducts, with reinforced capacitors, MOS tubes, and relays, and a two-side sealed casing enhance the machine's environmental durability.

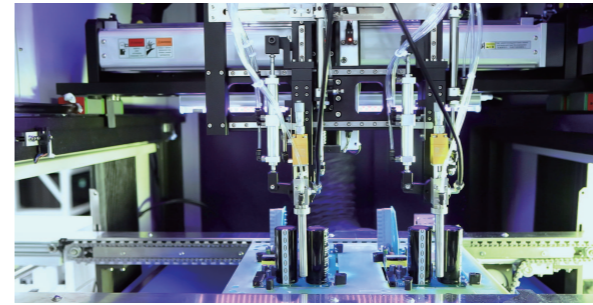


Large heat dissipation and swift air circulation ensure full capacity in all power segments, even at high temperatures.

Control terminal description

No.	Terminal	Reference qty.	AC500I01	AC500I02	Description
01	Digital input X	5x	9x	5x	Support NPN and PNP switching
02	Open collector output Y	1x	2x	1x	Default NPN output
03	Relay output	1x	2x	1x	Normally open/closed terminal block
04	Analog input AI	2x	2x	2x	0V-10V/0mA-20mA
05	Analog output AO	1x	2x	1x	0V-10V/0mA-20mA/ 0kHz-100kHz pulse output
06	RS485 communication	2x	2x	3x	Hardware interface: RJ45 network port, A+ B- terminal wiring Support Modbus RTU protocol
07	PUL input	1x	2x	2x	X5: 0kHz-5kHz pulse input X10: 0kHz-100kHz pulse input
08	Temperature detection	None	1x	1x	

High Reliability

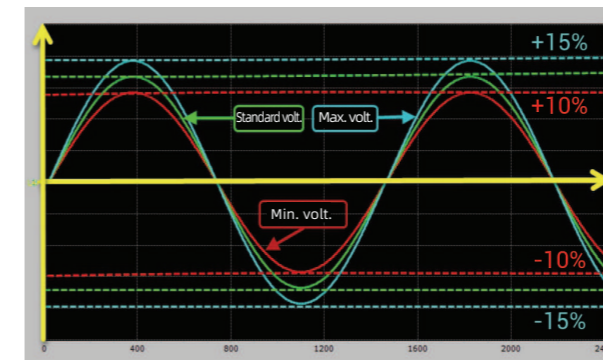


Comprehensive conformal coating

The AC500 series' PCB is coated with a 100µm-thick UV or Fuji adhesive, covering over 85% of the board for reliable operation and extended life in harsh conditions like heat, humidity, and corrosives.

Various motor/load types

The AC500 series drives support a range of motors, including three-phase asynchronous, AC servo, permanent magnet synchronous, spindle, linear, and synchronous reluctance (both pure and permanent magnet-assisted types), featuring advanced algorithms for enhanced adaptability and stability to meet diverse engineering and maintenance demands.



Wide voltage range

The AC500 series engineering drives accommodate complex power grids at 220VAC, 380VAC, and 690VAC, tolerating ±10% to 15% voltage fluctuations for stable operation in harsh environments.

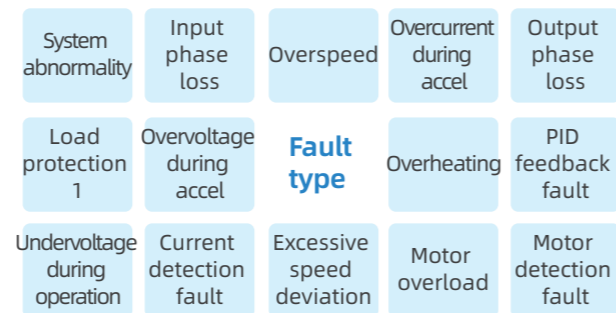
EMC grounding disconnection

The AC500 series features advanced circuit design with EMC grounding disconnection function to address on-site interference, along with filters and reactors that optimize disturbance and anti-interference performance, safeguarding the reliability of engineering applications.

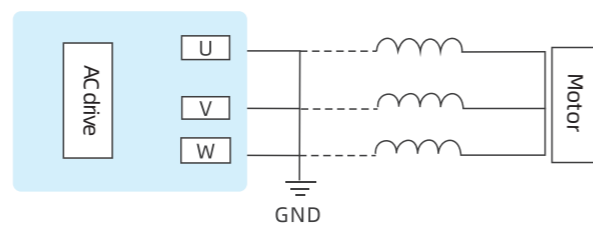


Versatile protection logic

The AC500 series offers a robust fault/warning logic system, including internal buffer relay and fan drive circuit protection, as well as external 24VDC short circuit and motor overload safeguards, ensuring high performance, reliability, and safety.



The AC500 series also includes special ground short-circuit protection with automatic detection for motor-to-ground faults, enhancing project site safety.



Panel operation

The AC500 series offers an integrated panel for 37kW product and below, and an LCD for over 45kW, supporting English/Chinese text displays for global engineering interface requirements.



Specifications

	Item	Specification	
Power supply input	Voltage and frequency	S2: Single-phase 200V~240V 50Hz/60Hz T2: Three-phase 200V~240V 50Hz/60Hz T4: Single-phase 380V~480V 50Hz/60Hz T6: Three-phase 660V~690V 50Hz/60Hz	
	Allowable fluctuation	T/S2: -10%~10%; T3: -15%~10%; T6: -10%~10% Voltage imbalance rate: < 3%; Frequency: ±5%; Distortion rate meets IEC61800-2	
	Closing impact current	< rated current	
Power range	Single-phase 220V 50/60Hz	0.75kW-15kW	
	Three-phase 220V 50/60Hz	0.75kW-220kW	
	Three-phase 400V 50/60Hz	0.75kW-1120kW	
Output	Three-phase 660V 50/60Hz	22kW-1120kW	
	Output voltage	Output under rated conditions: Three-phase, 0V~input voltage, deviation <5%.	
	Frequency range	0.00Hz ~ 600.00Hz	
Main control performance	Frequency accuracy	±0.5% of max frequency	
	Overload capacity	Heavy overload: 150% rated current for 89s, 180% rated current for 10s, and 200% rated current for 3s; Light overload: 120% rated current for 35s, 140% rated current for 7s, 150% rated current for 3s.	
	Motor type	Asynchronous motor, synchronous motor, synchronous reluctance motor	
Protection	Motor control mode	V/F control, SVC, FVC, VF separation control	
	Modulation mode	Optimized space vector PWM	
	Carrier frequency	1.0kHz ~ 16.0kHz	
	Speed control range	Vector control without PG, rated load: 1:50 (synchronous reluctance motor) Vector control without PG, rated load: 1:200 (AM, PMSM) Vector control with PG, rated load: 1:1000	
	Steady-status speed accuracy	Vector control without PG: ±0.5% (three-phase AM), ±0.1% (PMSM). Vector control with PG: ±0.02%	
	Starting torque	Vector control without PG: 100% rated torque at 2Hz (synchronous reluctance motor) Vector control without PG: 150% rated torque at 0.25Hz (AM, PMSM) Vector control with PG: 200% rated torque at 0Hz	
	V/F curve	Four curve modes: linear, self-setting V/F, reduced torque (to the power of 1.1 to 2.0), and square V/F	
	Acceleration and deceleration curve	Two modes: linear, S-Curve Four sets of time; the time unit is 0.01s, the longest is 650.00s	
	Rated output voltage	With power supply voltage compensation, the motor rated voltage reaches 100%, which can be set in the range of 50%~100% (the output cannot exceed the input voltage)	
	Auto voltage regulation	When the grid voltage fluctuates, it can automatically keep the output voltage constant	
	Auto ECO operation	Under V/F control mode, the output voltage is automatically optimized according to the load to realize energy-saving operation	
	Auto current limit	The current is automatically limited during operation to prevent trips caused by frequent over-current faults	
	Instantaneous power failure processing	In case of instantaneous power failure, uninterrupted operation can be realized through bus voltage control.	
	Environment	Installation site	Altitude max 1,000m; derate 1% per 100m above. No condensation, ice, or precipitation. Solar rad. <700W/m ² , air press. 70kPa~106kPa
		Temp. and humidity	-10°C ~+50°C; derate above 40°C, max 60°C (no-load); 5%~95% RH (no condensation)
Vibration		5.9 m/s ² (0.6G) at 9Hz~200Hz	
Storage temp.		-30°C ~ +60°C	
Installation method		Wall-mounted or vertical cabinet	
Cooling	IP	IP20	
	Pollution	II	
	Cooling	Forced air cooling	

Model Description

AC500 - **T4** - **45** - **B** - **L** - **E**

- C3 standard EMI:**
None: No C3 standard configuration
E: Built-in C3 standard EMI components
- DC reactor:**
None: No DC reactor
L: Built-in DC reactor
- Control unit:**
None: No brake unit
B: Built-in brake unit
- Heavy overload rated output current:**
45:45A 510:510A
- Voltage class:**
T: Three-phase power supply
S: Single-phase power supply
2: 220V, 4: 380V-480V, 6: 660V
- Series:**
AC500 series engineering drive

Expansion Card:

Card type	Drive model	Category	Specifications
Feedback (PG card)	AC500PG01 (5V)	Incremental PG	Supports incremental differential output encoders up to 500kHz
	AC500PG01 (12V)	Incremental PG	Support incremental open collector output encoders up to 500kHz
	AC500PG02	Position PG	PG cards & encoders enable CW+CCW, AB quadrature, pulse+direction position control
	AC500RT1	Rotary transformer PG	Support 4 FVC rotary transformer ratios: 0.219, 0.286, 0.5, 0.58
Communication	AC500CAN1	CANopen	CANopen: ISO/DIS11898 compliant
	AC500DP01	Profibus-DP	Profibus-DP: standard DB9 socket to Profibus master
	AC500PN1	Profinet	Profinet: communicate with hosts like Siemens PLC
	AC500EC1	EtherCAT	EtherCAT: communicate with hosts like Omron and Beckhoff
	AC500TCP1	Modbus-TCP	Modbus-TCP: ASCII/Binary for data transmission
	AC500EIP1	EtherNet/IP	LAN/Internet for communication
I/O	AC500IO1	IO card 1	4x digital inputs (X10 supports 100kHz pulse input), 1x digital output, 1x analog output, 1x relay output. Support temp. detection (PT100, PT1000 and KTY84)
	AC500IO2	IO card 2	Support 1x 485 communication, 1x PT100 temp. detection circuit
GPRS	IOT-BMC410-AC500	GPRS	4G GPRS communication module

Reactor & Filter:

380V ~480V -15%~+10%, 50Hz/60Hz ±5%

Model	Reactor			Filter	
	Input reactor	DC reactor	Output reactor	C2 standard EMI filter	Sine-wave filter
AC500-T4-3-B	VC-ACL-C-03P7A-T3-2M24	-	VC-OCL-C-03P7A-T3-2M24	JL-NFI-4-005	JL-SWF-4-004
AC500-T4-4-B	VC-ACL-C-03P7A-T3-2M24	-	VC-OCL-C-06P3A-T3-1M45(15)	JL-NFI-4-005	JL-SWF-4-004
AC500-T4-6-B	VC-ACL-C-05P5A-T3-2M18	-	VC-OCL-C-06P3A-T3-1M45(22)	JL-NFI-4-010	JL-SWF-4-008
AC500-T4-10-B	VC-ACL-C-0009A-T3-1M85	-	VC-OCL-C-0011A-T3-1M10	JL-NFI-4-010	JL-SWF-4-017
AC500-T4-13-B	VC-ACL-C-0013A-T3-1M56	-	VC-OCL-C-0016A-T3-M800	JL-NFI-4-016	JL-SWF-4-017
AC500-T4-17-B	VC-ACL-C-0018A-T3-1M00	-	VC-OCL-C-0018A-T3-M650	JL-NFI-4-025	JL-SWF-4-017
AC500-T4-25-B	VC-ACL-C-0024A-T3-M520	-	VC-OCL-C-0028A-T3-M330	JL-NFI-4-025	JL-SWF-4-024
AC500-T4-32-B	VC-ACL-C-0034A-T3-M400	-	VC-OCL-C-0035A-T3-M250	JL-NFI-4-035	JL-SWF-4-032
AC500-T4-38-B	VC-ACL-C-0038A-T3-M350	-	VC-OCL-C-0040A-T3-M200	JL-NFI-4-050	JL-SWF-4-038
AC500-T4-45-B	VC-ACL-C-0050A-T3-M260	-	VC-OCL-C-0050A-T3-M180	JL-NFI-4-050	JL-SWF-4-048
AC500-T4-60-B	VC-ACL-C-0060A-T3-M240	-	VC-OCL-C-0063A-T3-M090	JL-NFI-4-065	JL-SWF-4-062
AC500-T4-75-B	VC-ACL-C-0075A-T3-M235	-	VC-OCL-C-0080A-T3-M080	JL-NFI-4-080	JL-SWF-4-072
AC500-T4-90-B-L	VC-ACL-C-0091A-T3-M170	Optional built-in VC-DCL-C-0120A-T3-M580	VC-OCL-C-0100A-T3-M060	JL-NFI-4-100	JL-SWF-4-115
AC500-T4-110-B-L	VC-ACL-A-0112A-T3-M110	Optional built-in VC-DCL-C-0146A-T3-M470	VC-OCL-A-0125A-T3-M056	JL-NFI-4-130	JL-SWF-4-115
AC500-T4-150-B-L	VC-ACL-A-0150A-T3-M082	Optional built-in VC-DCL-A-0170A-T3-M293	VC-OCL-A-0160A-T3-M041	JL-NFI-4-160	JL-SWF-4-180
AC500-T4-180-B-L	VC-ACL-A-0200A-T3-M070	Optional built-in VC-DCL-A-0200A-T3-M280	VC-OCL-A-0200A-T3-M035	JL-NFI-4-200	JL-SWF-4-260
AC500-T4-210-B-L	VC-ACL-A-0224A-T3-M056	Optional built-in VC-DCL-A-0250A-T3-M224	VC-OCL-A-0224A-T3-M028	JL-NFI-4-300	JL-SWF-4-260
AC500-T4-250-L	VC-ACL-A-0280A-T3-46U6	Standard built-in	VC-OCL-A-0280A-T3-23U3	JL-NFI-4-300	JL-SWF-4-260
AC500-T4-310-L	VC-ACL-A-0315A-T3-38U8	Standard built-in	VC-OCL-A-0315A-T3-19U4	JL-NFI-4-400	JL-SWF-4-410
AC500-T4-340-L	VC-ACL-A-0400A-T3-36U8	Standard built-in	VC-OCL-A-0400A-T3-18U4	JL-NFI-4-400	JL-SWF-4-410
AC500-T4-380-L	VC-ACL-A-0400A-T3-36U8	Standard built-in	VC-OCL-A-0400A-T3-18U4	JL-NFI-4-400	JL-SWF-4-410
AC500-T4-415-L	VC-ACL-A-0450A-T3-33U3	Standard built-in	VC-OCL-A-0450A-T3-16U4	JL-NFI-4-600	JL-SWF-4-480
AC500-T4-470-L	VC-ACL-A-0560A-T3-26U4	Standard built-in	VC-OCL-A-0560A-T3-13U2	JL-NFI-4-600	JL-SWF-4-480
AC500-T4-510-L	VC-ACL-A-0560A-T3-26U4	Standard built-in	VC-OCL-A-0560A-T3-13U2	JL-NFI-4-600	JL-SWF-4-660
AC500-T4-600-L	VC-ACL-A-0630A-T3-23U3	Standard built-in	VC-OCL-A-0690A-T3-11U6	JL-NFI-4-600	JL-SWF-4-660
AC500-T4-670-L	VC-ACL-A-0720A-T3-18U4	Standard built-in	VC-OCL-A-0720A-T3-9U20	JL-NFI-4-700	JL-SWF-4-660
AC500-T4-750-L	VC-ACL-A-0720A-T3-18U4	Standard built-in	VC-OCL-A-0720A-T3-9U20	JL-NFI-4-800	JL-SWF-4-750
AC500-T4-810-L	VC-ACL-A-1000A-T3-14U7	Standard built-in	VC-OCL-A-1000A-T3-7U40	JL-NFI-4-800	JL-SWF-4-880
AC500-T4-860-L	VC-ACL-A-1000A-T3-14U7	Standard built-in	VC-OCL-A-1000A-T3-7U40	JL-NFI-4-1000	JL-SWF-4-880
AC500-T4-990-L	VC-ACL-A-1250A-T3-11U6	Standard built-in	VC-OCL-A-1250A-T3-5U80	JL-NFI-4-1000	JL-SWF-4-1200
AC500-T4-1200-L	VC-ACL-A-1250A-T3-11U6	Standard built-in	VC-OCL-A-1250A-T3-5U80	JL-NFI-4-1200	JL-SWF-4-1200
AC500-T4-1340-L	VC-ACL-A-1400A-T3-10U4	Standard built-in	VC-OCL-A-1350A-T3-5U20	JL-NFI-4-1600	STS-SFO-4-1400
AC500-T4-1500-L	VC-ACL-A-1500A-T3-9U30	Standard built-in	VC-OCL-A-1500A-T3-4U70	JL-NFI-4-1600	STS-SFO-4-1600
AC500-T4-1620-L	VC-ACL-A-1700A-T3-8U20	Standard built-in	VC-OCL-A-1700A-T3-4U10	JL-NFI-4-2000	STS-SFO-4-1800
AC500-T4-1720-L	VC-ACL-A-1900A-T3-7U40	Standard built-in	VC-OCL-A-1900A-T3-3U70	JL-NFI-4-2000	STS-SFO-4-2000
AC500-T4-1980-L	VC-ACL-A-2100A-T3-6U60	Standard built-in	VC-OCL-A-2100A-T3-3U30	JL-NFI-4-2000	STS-SFO-4-2000

660V ~690V -10%~+10%, 50Hz/60Hz ±5%

Model	Reactor			Filter	
	Input reactor	DC reactor	Output reactor	C2 standard EMI filter	Sine-wave filter
AC500-T6-28-B	VC-ACL-C-0028A-T6-M867	-	VC-OCL-C-0028A-T6-M433	VC-DL-T6-030	VC-SFO-T6-030
AC500-T6-35-B	VC-ACL-C-0035A-T6-M693	-	VC-OCL-C-0035A-T6-M346	VC-DL-T6-050	VC-SFO-T6-040
AC500-T6-45-B	VC-ACL-C-0045A-T6-M539	-	VC-OCL-C-0045A-T6-M269	VC-DL-T6-050	VC-SFO-T6-050
AC500-T6-52-B-L	VC-ACL-C-0052A-T6-M467	Optional built-in VC-DCL-C-0052A-T6-M116	VC-OCL-C-0052A-T6-M233	VC-DL-T6-050	VC-SFO-T6-060
AC500-T6-63-B-L	VC-ACL-C-0063A-T6-M385	Optional built-in VC-DCL-C-0063A-T6-M960	VC-OCL-C-0063A-T6-M192	VC-DL-T6-065	VC-SFO-T6-070
AC500-T6-86-B-L	VC-ACL-C-0086A-T6-M282	Optional built-in VC-DCL-C-0086A-T6-M700	VC-OCL-C-0086A-T6-M141	VC-DL-T6-100	VC-SFO-T6-090
AC500-T6-98-B-L	VC-ACL-C-0098A-T6-M248	Optional built-in VC-DCL-C-0098A-T6-M620	VC-OCL-C-0098A-T6-M124	VC-DL-T6-100	VC-SFO-T6-110
AC500-T6-121-B-L	VC-ACL-C-0121A-T6-M200	Optional built-in VC-DCL-C-0121A-T6-M500	VC-OCL-C-0121A-T6-M100	VC-DL-T6-130	VC-SFO-T6-130
AC500-T6-150-L	VC-ACL-A-0150A-T6-M162	Standard built-in	VC-OCL-A-0150A-T6-81U0	VC-DL-T6-160	VC-SFO-T6-170
AC500-T6-175-L	VC-ACL-A-0175A-T6-M175	Standard built-in	VC-OCL-A-0175A-T6-69U0	VC-DL-T6-200	VC-SFO-T6-200
AC500-T6-198-L	VC-ACL-A-0198A-T6-M123	Standard built-in	VC-OCL-A-0198A-T6-60U0	VC-DL-T6-200	VC-SFO-T6-200
AC500-T6-218-L	VC-ACL-A-0218A-T6-M111	Standard built-in	VC-OCL-A-0218A-T6-55U0	VC-DL-T6-300	VC-SFO-T6-225
AC500-T6-235-L	VC-ACL-A-0235A-T6-M103	Standard built-in	VC-OCL-A-0235A-T6-51U0	VC-DL-T6-300	VC-SFO-T6-250
AC500-T6-270-L	VC-ACL-A-0270A-T6-90U0	Standard built-in	VC-OCL-A-0270A-T6-45U0	VC-DL-T6-300	VC-SFO-T6-280
AC500-T6-330-L	VC-ACL-A-0330A-T6-74U0	Standard built-in	VC-OCL-A-0330A-T6-37U0	VC-DL-T6-400	VC-SFO-T6-350
AC500-T6-345-L	VC-ACL-A-0345A-T6-70U0	Standard built-in	VC-OCL-A-0345A-T6-35U0	VC-DL-T6-400	VC-SFO-T6-350
AC500-T6-380-L	VC-ACL-A-0380A-T6-64U0	Standard built-in	VC-OCL-A-0380A-T6-32U0	VC-DL-T6-400	VC-SFO-T6-400
AC500-T6-430-L	VC-ACL-A-0430A-T6-56U0	Standard built-in	VC-OCL-A-0430A-T6-28U0	VC-DL-T6-600	VC-SFO-T6-450
AC500-T6-466-L	VC-ACL-A-0466A-T6-52U0	Standard built-in	VC-OCL-A-0466A-T6-26U0	VC-DL-T6-600	VC-SFO-T6-500
AC500-T6-540-L	VC-ACL-A-0540A-T6-45U0	Standard built-in	VC-OCL-A-0540A-T6-22U0	VC-DL-T6-600	VC-SFO-T6-600
AC500-T6-600-L	VC-ACL-A-0600A-T6-40U0	Standard built-in	VC-OCL-A-0600A-T6-20U0	VC-DL-T6-600	VC-SFO-T6-600
AC500-T6-690-L	VC-ACL-A-0690A-T6-35U0	Standard built-in	VC-OCL-A-0690A-T6-17U0	VC-DL-T6-800	VC-SFO-T6-700
AC500-T6-760-L	VC-ACL-A-0760A-T6-32U0	Standard built-in	VC-OCL-A-0760A-T6-16U0	VC-DL-T6-800	VC-SFO-T6-800
AC500-T6-860-L	VC-ACL-A-0860A-T6-28U0	Standard built-in	VC-OCL-A-0860A-T6-14U0	VC-DL-T6-1000	VC-SFO-T6-900
AC500-T6-932-L	VC-ACL-A-0932A-T6-26U0	Standard built-in	VC-OCL-A-0932A-T6-13U0	VC-DL-T6-1000	VC-SFO-T6-1100
AC500-T6-1080-L	VC-ACL-A-1080A-T6-22U0	Standard built-in	VC-OCL-A-1080A-T6-11U0	VC-DL-T6-1200	VC-SFO-T6-1100
AC500-T6-1200-L	VC-ACL-A-1200A-T6-20U0	Standard built-in	VC-OCL-A-1200A-T6-10U0	VC-DL-T6-1200	VC-SFO-T6-1200

Note:

- ① In AC drive models, -B, -L, and -E refer to the built-in braking unit, DC reactor, and C3 EMI filter, respectively.
- ② External connection is required for the "reactor & filter" setup and operation.
- ③ Up to two expansion cards are supported at once per AC drive.
- ④ An external C2 EMI filter is compatible with the built-in C3 accessories (named with -E); C2 and C3 cannot be used at the same time.

Reference model	Heavy overload		Light overload	
	Rated output current (A)	Rated power (kW)	Rated output current (A)	Rated power (kW)
Power supply: 200V ~240V -10%~+10%, 50Hz/60Hz ±5%				
AC500-T/S2-4-B-E	4	0.75	-	-
AC500-T/S2-7-B-E	7	1.5	-	-
AC500-T/S2-10-B-E	10	2.2	-	-
AC500-T/S2-16-B-E	16	4	-	-
AC500-T/S2-20-B-E	20	5.5	-	-
AC500-T/S2-30-B-E	30	7.5	-	-
AC500-T/S2-42-B-E	42	11	-	-
AC500-T/S2-55-B-E	55	15	-	-
AC500-T2-70-B-E	70	18.5	-	-
AC500-T2-80-B-E	80	22	-	-
AC500-T2-110-B-L-E	110	30	-	-
AC500-T2-130-B-L-E	130	37	-	-
AC500-T2-160-B-L-E	160	45	-	-
AC500-T2-200-B-L-E	200	55	-	-
AC500-T2-260-L-E	260	75	-	-
AC500-T2-320-L-E	320	90	-	-
AC500-T2-380-L-E	380	110	-	-
AC500-T2-420-L-E	420	132	-	-
AC500-T2-550-L-E	550	160	-	-
AC500-T2-600-L-E	600	185	-	-
AC500-T2-660-L-E	660	200	-	-
AC500-T2-720-L-E	720	220	-	-
Power supply: 380V ~480V -15%~+10%, 50Hz/60Hz ±5%				
AC500-T4-3-B-E	3	0.75	4	1.5
AC500-T4-4-B-E	4	1.5	6	2.2
AC500-T4-6-B-E	6	2.2	-	-
AC500-T4-10-B-E	10	4	13	5.5
AC500-T4-13-B-E	13	5.5	17	7.5
AC500-T4-17-B-E	17	7.5	25	11
AC500-T4-25-B-E	25	11	32	15
AC500-T4-32-B-E	32	15	38	18.5
AC500-T4-38-B-E	38	18.5	45	22
AC500-T4-45-B-E	45	22	60	30
AC500-T4-60-B-E	60	30	75	37
AC500-T4-75-B-E	75	37	90	45
AC500-T4-90-B-L-E	90	45	110	55
AC500-T4-110-B-L-E	110	55	150	75
AC500-T4-150-B-L-E	150	75	180	90
AC500-T4-180-B-L-E	180	90	210	110
AC500-T4-210-B-L-E	210	110	250	132
AC500-T4-250-L-E	250	132	310	160
AC500-T4-310-L-E	310	160	340	185
AC500-T4-340-L-E	340	185	380	200
AC500-T4-380-L-E	380	200	415	220

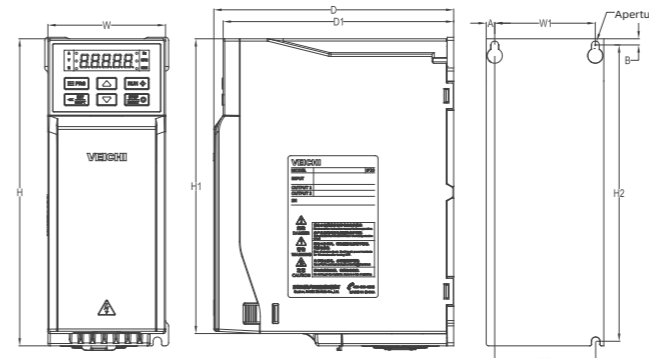
Reference model	Heavy overload		Light overload	
	Rated output current (A)	Rated power (kW)	Rated output current (A)	Rated power (kW)
Power supply: 380V ~480V -15%~+10%, 50Hz/60Hz ±5%				
AC500-T4-415-L-E	415	220	470	250
AC500-T4-470-L-E	470	250	510	280
AC500-T4-510-L-E	510	280	600	315
AC500-T4-600-L-E	600	315	670	355
AC500-T4-670-L-E	670	355	750	400
AC500-T4-750-L-E	750	400	810	450
AC500-T4-810-L-E	810	450	860	500
AC500-T4-860-L-E	860	500	990	560
AC500-T4-990-L-E	990	560	1200	630
AC500-T4-1200-L	1200	630	1340	710
AC500-T4-1340-L	1340	710	1500	800
AC500-T4-1500-L	1500	800	1620	900
AC500-T4-1620-L	1620	900	1720	1000
AC500-T4-1720-L	1720	1000	1980	1120
AC500-T4-1980-L	1980	1120	-	-

Power supply: 660V ~690V -10%~+10%, 50Hz/60Hz ±5%				
AC500-T6-28-B-E	28	22	35	30
AC500-T6-35-B-E	35	30	45	37
AC500-T6-45-B-E	45	37	52	45
AC500-T6-52-B-L-E	52	45	63	55
AC500-T6-63-B-L-E	63	55	86	75
AC500-T6-86-B-L-E	86	75	98	90
AC500-T6-98-B-L-E	98	90	121	110
AC500-T6-121-B-L-E	121	110	150	132
AC500-T6-150-L-E	150	132	175	160
AC500-T6-175-L-E	175	160	198	185
AC500-T6-198-L-E	198	185	218	200
AC500-T6-218-L-E	218	200	235	220
AC500-T6-235-L-E	235	220	270	250
AC500-T6-270-L-E	270	250	330	280
AC500-T6-330-L-E	330	280	345	315
AC500-T6-345-L-E	345	315	380	355
AC500-T6-380-L-E	380	355	430	400
AC500-T6-430-L-E	430	400	466	450
AC500-T6-466-L-E	466	450	540	500
AC500-T6-540-L-E	540	500	600	560
AC500-T6-600-L-E	600	560	690	630
AC500-T6-690-L	690	630	760	710
AC500-T6-760-L	760	710	860	800
AC500-T6-860-L	860	800	932	900
AC500-T6-932-L	932	900	1080	1000
AC500-T6-1080-L	1080	1000	1200	1120
AC500-T6-1200-L	1200	1120	-	-

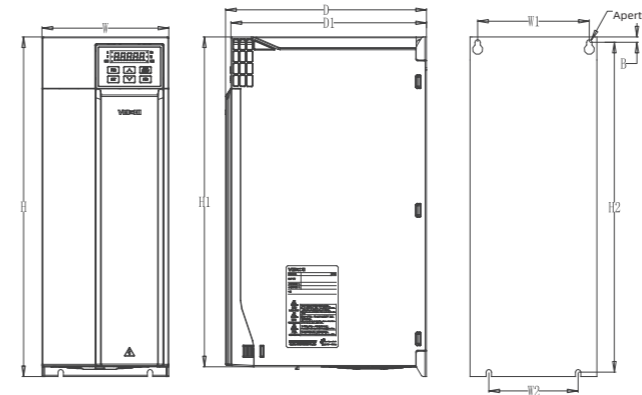
Note: Select the appropriate AC drive model by combining the reference model with the description and configuration details provided.

Installation Dimensions

Plastic chassis

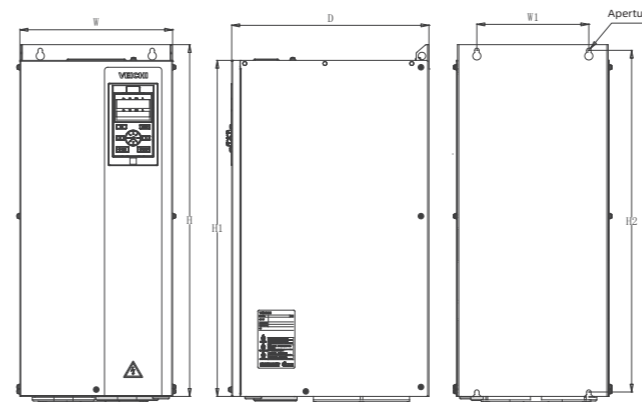


Model	Overall dimensions (mm)					Installation dimensions (mm)					Aperture
	W	H	H1	D	D1	W1	W2	H2	A	B	
AC500-T/S2-4-B-E	76	200	192	155	149	65	65	193	5.5	4	3-M4
AC500-T/S2-7-B-E											
AC500-T/S2-10-B-E	100	242	231	155	149	84	86.5	231.5	8	5.5	3-M4
AC500-T/S2-16-B-E											
AC500-T/S2-20-B-E	116	320	307.5	175	169	98	100	307.5	9	6	3-M5
AC500-T4-3-B-E	76	200	192	155	149	65	65	193	5.5	4	3-M4
AC500-T4-4-B-E											
AC500-T4-6-B-E											
AC500-T4-10-B-E	100	242	231	155	149	84	86.5	231.5	8	5.5	3-M4
AC500-T4-13-B-E											
AC500-T4-17-B-E	116	320	307.5	175	169	98	100	307.5	9	6	3-M5
AC500-T4-25-B-E											



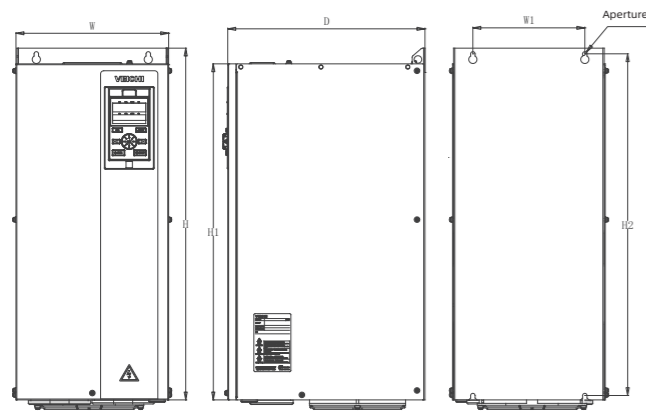
Model	Overall dimensions (mm)					Installation dimensions (mm)				Aperture
	W	H	H1	D	D1	W1	W2	H2	B	
AC500-T/S2-30-B-E	142	383	372	225	219	125	100	372	6	4-M5
AC500-T/S2-42-B-E										
AC500-T/S2-55-B-E	172	430	/	225	219	150	150	416.5	7.5	4-M5
AC500-T2-70-B-E										
AC500-T2-80-B-E										
AC500-T3-32-B-E	142	383	372	225	219	125	100	372	6	4-M5
AC500-T4-38-B-E										
AC500-T4-45-B-E										
AC500-T4-60-B-E	172	430	/	225	219	150	150	416.5	7.5	4-M5
AC500-T4-75-B-E										

Steel chassis



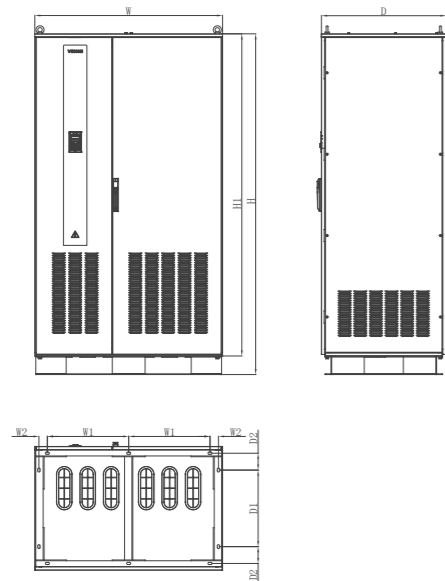
Model	Overall dimensions (mm)				Installation dimensions (mm)		Aperture
	W	H	H1	D	W1	H2	
AC500-T2-110-B-L-E	240	560	520	310	176	544	4-M6
AC500-T2-130-B-L-E							
AC500-T2-160-B-L-E							
AC500-T2-200-B-L-E	270	638	580	350	195	615	4-M8
AC500-T4-90-B-L-E	240	560	520	310	176	544	4-M6
AC500-T4-110-B-L-E							
AC500-T4-150-B-L-E							
AC500-T6-28-B-E							
AC500-T6-35-B-E							
AC500-T6-45-B-E							
AC500-T6-52-B-L-E							
AC500-T6-63-B-L-E							
AC500-T6-86-B-L-E							

Steel chassis



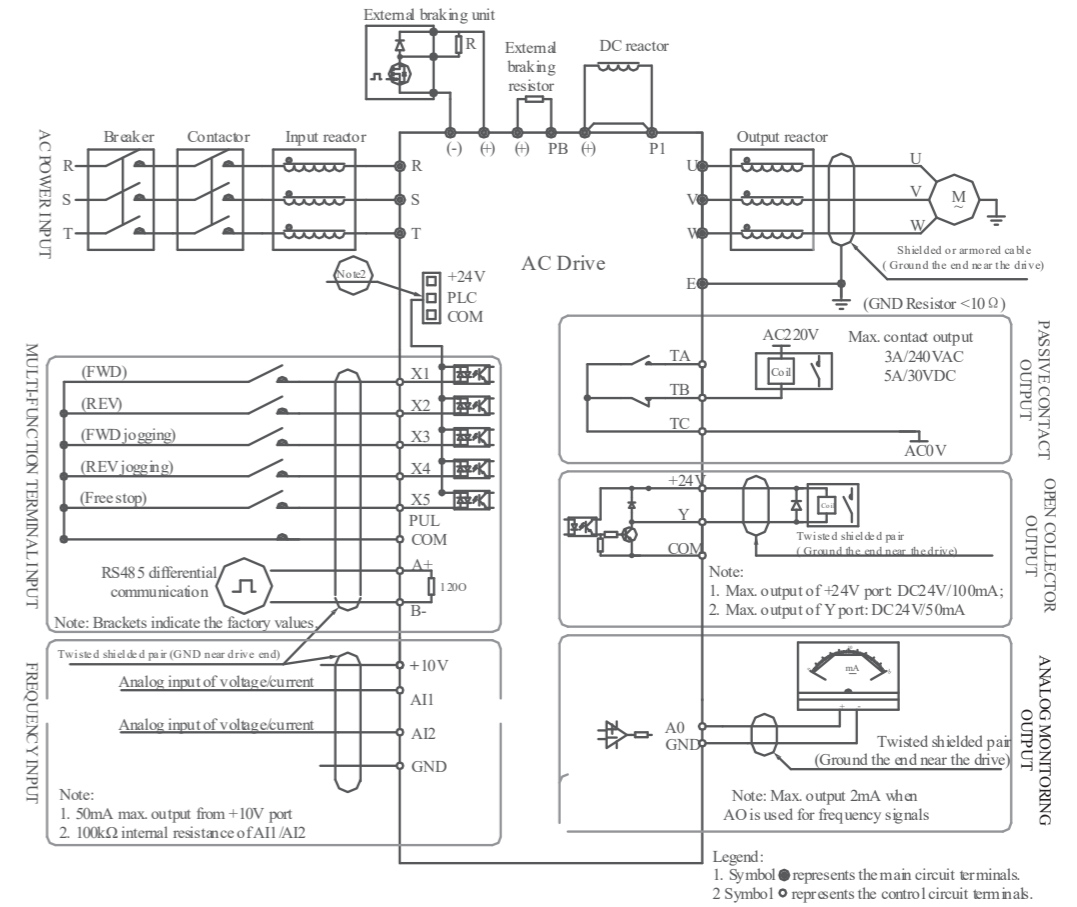
Model	Overall dimensions (mm)				Installation dimensions (mm)		Aperture
	W	H	H1	D	W1	H2	
AC500-T4-180-B-L-E	270	638	580	350	195	615	4-M8
AC500-T4-210-B-L-E							
AC500-T6-98-B-L-E							
AC500-T6-121-B-L-E	350	738	680	405	220	715	4-M8
AC500-T4-250-L-E							
AC500-T4-310-L-E							
AC500-T6-150-L-E							
AC500-T6-175-L-E							
AC500-T4-340-L-E							
AC500-T4-380-L-E	360	940	850	480	200	910	4-M16
AC500-T4-415-L-E							
AC500-T6-198-L-E							
AC500-T6-218-L-E							
AC500-T6-235-L-E	370	1140	1050	545	200	1110	4-M16
AC500-T4-470-L-E							
AC500-T4-510-L-E							
AC500-T6-270-L-E							
AC500-T6-330-L-E	400	1250	1140	545	240	1213	4-M16
AC500-T4-600-L-E							
AC500-T4-670-L-E							
AC500-T4-750-L-E							
AC500-T6-345-L-E							
AC500-T6-380-L-E							
AC500-T6-430-L-E	460	1400	1293	545	300	1363	4-M16
AC500-T4-810-L-E							
AC500-T4-860-L-E							
AC500-T4-990-L-E							
AC500-T6-466-L-E							
AC500-T6-540-L-E							
AC500-T6-600-L-E							

Cabinet



Model	Overall dimensions (mm)				Installation dimensions (mm)				Aperture
	W	H	H1	D	W1	W2	D1	D2	
AC500-T4-1200-L	1200	2200	2080	800	520	54	494	108.5	φ14
AC500-T4-1340-L									
AC500-T4-1500-L									
AC500-T4-1620-L									
AC500-T4-1720-L									
AC500-T4-1980-L									
AC500-T6-690-L									
AC500-T6-760-L									
AC500-T6-860-L									
AC500-T6-932-L									
AC500-T6-1080-L									
AC500-T6-1200-L									

Wiring



Note: Multi-functional input terminals X1-X5/PUL accept NPN/PNP signals. Bias voltage can be internal (+24V) or external (PLC). Default is +24V to PLC short, between RJ45 and terminals.

Application

Industry & Mining	CNC Machine Tools	Municipal Administration	Wire & Cable	Lifting & Hoisting	Woodworking	Oilfield
Ceramic Machinery	Chemical	Industrial Power Supply	Textile Printing & Dyeing	Printing & Packaging	Plastic Machine	Elevator

Manufacturing and Quality Control

Smart manufacturing with whole-process automation

- > On intelligent manufacturing ,the smart factory yields an annual capacity of 914,600 sets;
- > Fully automatic SMT production line, automatic coating line, assembly line, testing line, packaging line, high temperature aging room and advanced production equipment are established;
- > Enterprise production is implemented with target management and is operated in strict accordance with the production process and management methods, which greatly improves the production efficiency.
- > Complete supply chain system meets the large volume of one-time delivery.

Inheriting the spirit of craftsmanship, detail-oriented and striving for better

- > Insist on the quality policy and concept of quality first.
- > Procurement, design, manufacturing and other aspects all implemented in strict accordance with the requirements of the ISO9001 quality management system.
- > Talents create high quality, the production line core positions are occupied by 100% college degrees and above.
- > Each product has a unique product code, which can be used in the product traceability system to ensure quality can be controlled and traced.



ISO9001:2015
ISO14001:2015
ISO45001:2018



CE certification
for full series



3C certification
for specialized
products



RoHS 2.0 for
customized
products



AAA Certification
for Measurement
Management
System

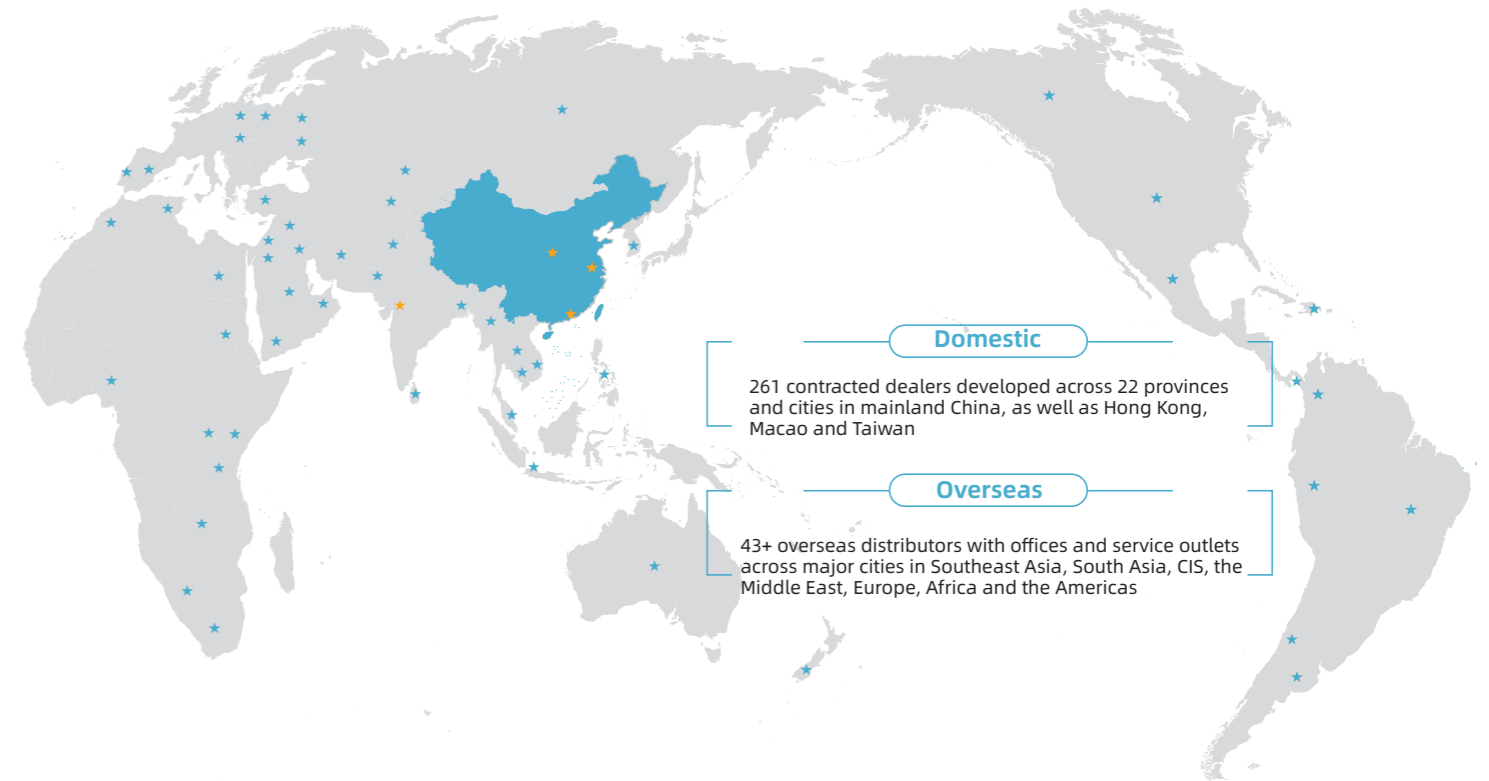


Five-star
certification
for after-sales
service



QC080000
Management
System

Service and Support



Pre-sales

01 Technology promotion,
site survey, proposal design,
energy saving assessment

During-sales

02 Customization, design
consultation, installation and
commissioning, on-site
training

After-sales

03 Regular return visits,
regular maintenance,
timely repairs, application
instruction

