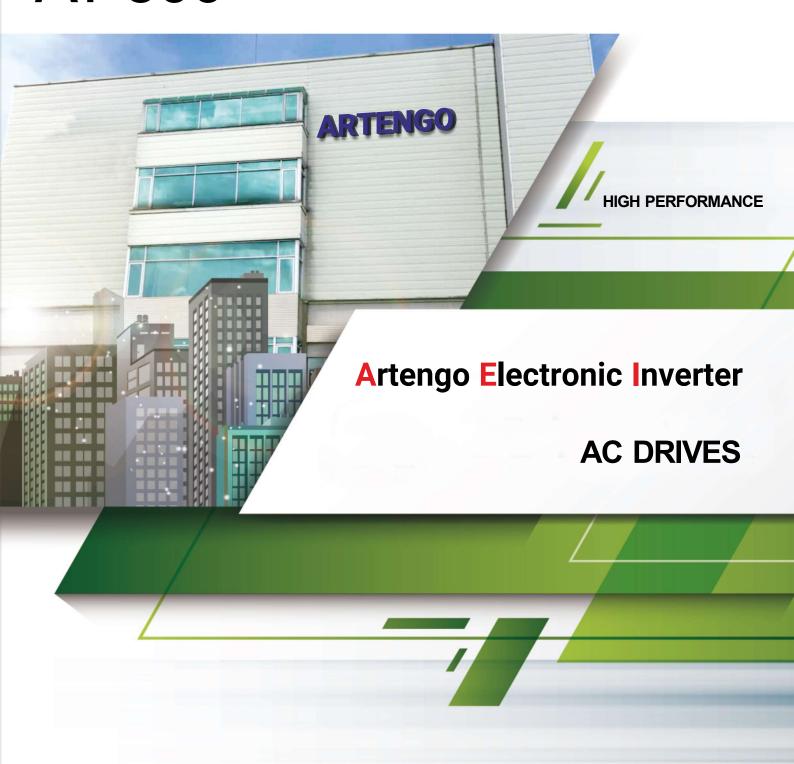


# AT-500 Q TYPE



Think Without Boundary



ARTENGO Electric was founded in Oct. 2001 in Taiwan, specialized in researching and developing automation control system and inverters in China. In 2004, we develop an manufacture branch in Shanghai.

We have a professional and competent staff, devoting to the R&D of frequency conversion tech-nology and the integration of application technology. On the basis of advanced skills, with our rich engineering experiences in industrial drive technology and the latest control technique in electrical and electronic fields, we produces inverters specials for elevator and escalator and high-performance universal vector type. The products cover all kinds of specifications between 0.4KW and 315KW, have been successfully applied in many fields, like, elevator, hoisting, draw bench, metallurgy, plastic, machine tool, textile, dyeing, paper making, packaging, printing and water Treatment etc.

From raw material selection, production and processing to quality inspection and load testing, ARTENGO strictly controls every production process, and introduces components from Japan and Europe to ensure stable performance of products. Our company has passed ISO9001:2000 certification and our products have passed CE certification. Our company has always stuck to the solemn promise of "quality for customers".

Our company regards "customer first, prestige first, perfect quality, safety and reliability" as our service philosophy and has opened a hotline to provide users around the world with online support. ARTENGO has been well

Recognized by a wide range of customers for our outstanding quality and sincere service. Currently, our company has set up more than 10 marketing organizations and distribution agents in China. Many products are sold to buyers from countries and regions in Southeast Asia, the Middle East, South America and Africa.



With gradual expansion of the covering field, ARTENGO Electric (Shanghai) Company hopes to be with you hand in hand to create a bright future together







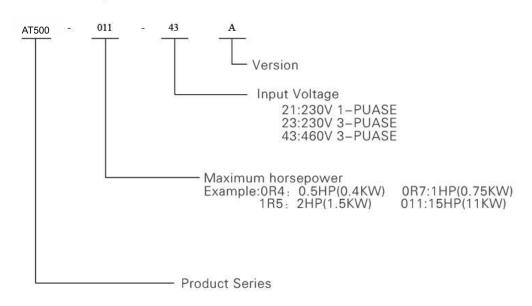
## AT500 PRODUCT FEATURES

#### **Excellent Performance and Function**

- Output frequency:0-500HZ
- Power Range: 0.4KW-450KW
- Three control way: No PG Vector control (SVC) / VF Control /Close loop vector control (FVC)
- Start Torque: No PG vector control 0.5HZ/150% (SVC)
- Automatic voltage adjustment, when the network voltage changes, it canautomatically maintain a constant output voltage
- 16 section speed control and easy PLC, PID control function, swingfrequency, fixed length control function;
- Programmable multi-function 5 channels digital input, 2 channels analog input, 1 channel relay output, 1 channel open collector output
- RS485 Serial communication interface, standard Modbus communicationagreement
- External LED keypad provided, rich expansion board interface
- PM Mptor, IPM Motor control
- Still can work with instant power failure

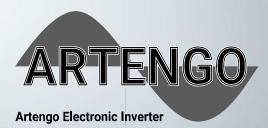


### Product specification des:



## General specifications

	Model A1000											į	Spec	cifica	ion											
	Motor capacity (HP)	1.0	2.0	3.0	5.0	5	7.5	10	15	20	25	30	40	50	60	75	100	Ĩ								
220V 380V	Rated power (KW)	0.75	1.5	2.2	3.7	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75	2,8					s s	- 3		
	Rated capacity(KVA)	4.0	7.0	-	-	_	_	_	_	_	57		85			160	231									
	Rated current(A)	3.8	4.8	-	-	-	-	_		-	75	2000	112	2		210		(1	-					-		
	100 DANGER		2.0	-	_		_	_		_		-					-	120	150	100	200	270	200	240	200	420
	Motor capacity(HP)	1.0		_	_			_		_	25	30		50	60	75		120	_		_					-
	Rated power(KW)		_	-	-	-	_	_	_	_	18.5		30	37	45	55	75	_	_	_	_	_	-	250	_	-
<	Rated capacity(KVA)	1.5	3.0				11.00	_			24	30		57	69	85	114		and the con-				100000	355		
	Rated current(A)	2.1	3.8											75	91	112	150	176	210	253	304	377	426	510	520	585
Personalized function	Maximum frequency										trol:						- 11.				.l		-1			221
	Carrier frequency Input frequency resolution	0.5kHz-8kHz; carrier frequency can be adjusted automatically according to the load characteristics.  Digital setting: 0.01Hz Analog setting: Maximum frequency × 0.025%																								
	Control mode										VF c			2731111	J	roqu	ionoy			0 70						
	Start torque	0.5	Hz/1	50	% (S																					
	Speed regulation range	1:100(SVC) ± 0.5%(SVC)																								
	Steady speed accuracy Overload capacity	150% rated current for 60s; 180% rated current for 3s.																								
	Torque boost	Automatic torque boost; manual torque boost 0.1%-30.0%																								
	V/F curve	Three modes: Linear; multipoint;																								
	Acceleration/decleration curve	Linear or S curve acceleration/deceleration mode; four groups of acceleration/deceleration time,																								
		with the range 0.0–6500.0s																								
	DC brake	DC braking frequency: 0.00Hz- maximum frequency; braking time: 0.0s-36.0s; braking action current value: 0.0%-100.0%																								
	JOG control																	eratio								
	Simple PLC and preset speed				16 s	ecti	ons	of p	ores	et s	spee	d ru	unnir	ng ca	in be	rea	lized	thro	ugh	buil	t–in	PLC	or c	ontr	ol	
	running Built-in PID	-	mina	_	onic	ntly	rea	liza	the	pro	2000	e cl	near	l_loc	n cc	ntro	l sys	tam								
<b>1</b>	Automatic voltage adjustment			3.6	337											77.5					. Here					
€.	(AVR)																	the c			-					
on a	Overvoltage and overcurrent	Au	toma	atica	ally I	imit	the	vol	tage	an	id cu	rrer	nt du	ıring	runr	ning	to pr	even	t fre	eque	nt o	verc	urrei	nt fro	om	
	stall control Rapid current limit function	Cau	using	0V	ervo	itag	e tri	ppir	ng to	one	ure '	ho	invo	rtor	run r	orm	valle									
		Wi	th ch	ara	cter	istic	s of	auit	exc	ava	tor".	aı	utom	atica	ally r	estri	ct th	e tor	aue	duri	na r	unni	na ta	free	auer	nt
	Torque limit and control										tage				5000 <b>8</b> 00 A	**********	T0700716	**************************************	31.75.75	0353460	- 3	737,37,30		on redictor	akanan	370
	Safety self-inspection of	The	e inv	erte	er ca	n ca	arry	out	safe	ety	dete	ctic	n ag	ains	t pei	riphe	ral e	quipi	mer	nt up	on p	owe	er on	, suc	h as	3
	peripheral equipment upon power on		ound												<b>,</b>											
	Common DC bus function										sha					nver	ters.									
	Textile wobble control										су сс															
	Timed control										me r														27.	
Running	Running command channel										ng, d le m			erm	nai s	ettii	ng, se	erial	com	nmui	nicat	ion I	oort	setti	ng,	
	Frequency source	10	freq	uen	cy s	our	ces	in to	tal:	Nu	mer	c s	ettin	g, ar	nalog	vol	tage	setti	ng,	anal	og c	urrer	nt se	tting	, pu	lse
	Frequency source	set	ting,	se	rial p	ort	sett	ing,	wh	ich	can	be	swit	chec	by	mult	iple r	mode	es.							
	Auxiliary frequency source							eque	ency	/ SC	urce	s. I	t car	n flex	ably	reali	ze fir	ne tu	nıng	gano	d fre	quer	ncy s	ynth	esis	ot
		auxiliary frequency.  6 numeric input terminals; one of them can be used as high-pulse input, with the maximum value															Jе									
	Input terminal	up	to 1	00K	Hz.																					
						tern	nina	ls; t	wo	of t	hem	are	use	ed as	vol	age	inpu	t wh	ile a	noth	ner is	use	ed as	volt	age	or
		current input.  One high—speed pulse output terminal (can be selected as open collector); 0kHz-100kHz square																								
																		uch a								3
	er 8 W	ou	tput	frec	uen	cy.							e en Tex										31 m 30 m			
	Output terminal		ume						S																	
			Relay						)//n	Λ.	20n	Λ.	or 0/	2_10	11/ 01	ation	al ro	spec	tivo	ly S	attin	n fr	20110	ncv	Out	nut
											outpu						iai i G	spec	uve	iy. J	Ctui	y ii c	sque	псу,	out	put
Environment	Operation place																able	gas,	oil r	nist,	vap	or, v	vate	r dro	p or	S.
	Series Constitution of the		t, etc		10	0.0																				
	Altitude Ambient temperature		wer					tor	nno	rati	ıro i	2 14/	ithin	40°	-50	2	it mu	st be	a do	rato	d)					
	Humidity										nder			40 (	J-5(	, υ,	it IIIU	or ne	ue	ale	u)					
	Vibration	Les	ss th	an !	5.9n																					
8.50	Storage temperature	-2	0℃-	+6	O°C																					



ARTENGO ELECTRIC CO., LTD

کیلومتـــر ۱۷ جاده قدیم کـــرج کمربندی شهریار اندیشه ، شهرک صنعتی زاگرس ،سی متری زاگرس خیابان اقـتـصـــاد - پلاک ۱۴ کد پســــــتی ۳۷۵۴۱۸۶۹۱۴

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