







WEIDE INVERTER PRODUCT MANUAL

E 企业环境 nterprise environment



Company Introduction

Guangzhou WEIDE Electric Machinery Co., Ltd, found in 2008, is a company engaged in the research, manufacturing and sales of control, display, drive and system solutions&other related products and servies with the help its experienced engineers and skilled workers.

The company is engaged in the business of designing, producing and sales of high performance vector Variable-frequency Drivers. They are mainly used in equipment manufacturing, energy-saving and new energy industries. At present, their products have widely applied to machine tool, wooden machinery, printing machinery, weightlifting devices, packing machinery, metallurgical engineering, textile machinery and other industries.

Company Culture

Vision: build the most competitive inverter brand in China! Create and share together!

Core values

Employee: Heart in heart to walk in the same way and share the growth and the flourish Product: Do the brand sincerely and dedicate to the society with good virtue

Customer: Make service as the priority and share the value.

Inverter Function Features

B100 Economical Inverter



B100 Series Output Specification

Voltage (V)	Inverter Power	Brake Res Specific	sistance cation	Brake Torque	Output Current
	(KW)	W	Ω	10%ED	
	B100-BS0.75kw	150	110	125	4
3phase 220V series	B100-BS1.5kw	250	100	125	7
	B100-BS2.2kw	300	65	125	9.6
	B100-BT0.75kw	100	750	125	2.1
3phase 380V series	B100-BT1.5kw	300	400	125	3.8
	B100-BT2.2kw	300	250	125	5.1

	Rated voltage/	frequency	3phase(4T series)3	80V;5		
Input	Allowab of volta	le range	phase(4T series)32	0V~4		
	Voltage	<u> </u>	4T series:0~380V 2	T ser		
Output	Freque	псу	V/F control;simple v 0.5~300.0HZ	ector		
	Overloa	d capacity	110% Long-term150	D% 1ı		
(Control mo	de	V/Fcontrol;Simple v	ector		
	Frequer	ncv setting	Analog terminal	0.10		
	resoluti	on	input	0.1		
			Digital setting	0.11		
	accurac	y	Analog Input	VVIII Sot		
			V/F curve(Voltage	The		
			frequency	sec		
			features)	curv		
				Mai		
	V/F con	trol	Torque Lift	dete		
				Wh		
Control			Automatic	the		
Feature			current/voltagelim	and		
s			lung	algo		
			Voltage	Aut		
			frequency	mot		
			features			
	SLVC			Sta		
			l'orque features	100		
				150		
			Current & Voltage	Full		
	Under-v	voltage	IIMIL Especially for users	with		
	suppres	sion in	can maintain the ma	aximu		
	operatio	on	allowed range, acco	ording		
	Multi-sp	beed	7 segments program	nmab		
	Operati	on	optional			
	PID cor	trol RS485	Built-in PID controlle	er (pr		
	commu	nication	multiple communication			
			Analog Input	DC		
	Eroquor	acv sotting	· · · · · · · · · · · · · · · · · · ·	opt		
	Fiequei	icy setting		Op		
			Digital Input	cor		
			Relay Output	1 fa		
			, , , , , , , , , , , , , , , , , , ,			
	Output	s ignal	Analog Output	1 a		
			Analog Output	nh		
Typical				prij		
Typical	A	tio volto no				
Functio	Automa	tic voltage	According to the ne	ed ca		
Functio	Automa regulation	tic voltage on	According to the ne ways, in order to ob	ed ca tain tl		
Functio n	Automa regulation operation Acceler	tic voltage on on ation/decel	According to the ne ways, in order to ob	ed ca tain tl		
Functio n	Automa regulation operation Acceler eration	tic voltage on on ation/decel time	According to the ne ways, in order to ob 0.15~999.9min cont	ed ca tain tl tinuou		
Functio n	Automa regulation operation Acceler eration setting	tic voltage on ation/decel time	According to the ne ways, in order to ob 0.15~999.9min cont	ed ca tain tl tinuot		
Functio n	Automa regulation operation Acceler eration setting	tic voltage on ation/decel time	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum	ed ca tain th tinuou		
Functio n	Automa regulation operation Acceler eration setting Brake	tic voltage on ation/decel time Dynamic braking	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum consumption brakin	ed ca tain th tinuou option g rate		
Functio n	Automa regulation operation Acceler eration setting Brake	tic voltage on ation/decel time Dynamic braking DC braking	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum consumption brakin DCbraking starting	ed ca tain th tinuou ption g rate		
Functio n	Automa regulatio operation Acceler eration setting Brake	tic voltage on ation/decel time Dynamic braking DC braking	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum consumption brakin DCbraking starting current :0.0%~50.09 The carrier frequence	ed ca tain th tinuou ption g rate freque % rate		
Functio n	Automa regulatio operation Acceler eration setting Brake	tic voltage on ation/decel time Dynamic braking DC braking on	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum consumption brakin DCbraking starting current :0.0%~50.09 The carrier frequence noise	ed ca tain th tinuou pption g rate freque % rate cy is c		
Functio n	Automa regulatio operation Acceler eration setting Brake	tic voltage on ation/decel time Dynamic braking DC braking on	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum consumption brakin DCbraking starting current :0.0% ⁵ 0.09 The carrier frequence noise An internal counter	ed ca tain th tinuou option g rate freque % rate cy is c facilit		
Functio n	Automa regulation operation Acceler eration setting Brake operation Counter Operation	tic voltage on ation/decel time Dynamic braking DC braking on	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum consumption brakin DCbraking starting current :0.0% ⁵ 0.09 The carrier frequence noise An internal counter Upper and lower lim	ed ca tain th tinuou pption g rate freque <u>% rate</u> cy is c facilit		
Functio n	Automa regulatio operation Acceler eration setting Brake operation Counter Operation	tic voltage on ation/decel time Dynamic braking DC braking on	According to the ne ways, in order to ob 0.15~999.9min cont The energy consum consumption brakin DCbraking starting current :0.0% ⁵ 0.09 The carrier frequency noise An internal counter Upper and lower lim frequency compens	ed ca tain th tinuou pption g rate freque <u>% rate</u> cy is c facilit facilit nit freq ation		

50/60HZ 3phase(2T series)220V;50/60HZ

60V 3-phase(2T series) 190V~250V

ies:0~220V

control: 0~999.9HZAdvance vector control; torgue control:

minute180% 5seconds

control; Advancevectorcontrol; Torque control

% ofthe maximum output frequency

ΗZ

hin 0.2% of the maximum output frequency

within 0.01% of the output frequency

ere are three ways: the first is linear torque characteristic curve, the ond is square torque characteristic curve, and the third is user-set V/F

nual setting: 0.0~30.0% of rated output Automatic lifting: Automatically ermine lifting torque according to output current and motor parameters

ether in the process of acceleration, deceleration or stable operation, stator current and voltage of the motor is automatically measured, I it is suppressed within the permissible range according to the unique prithm.Minimize the possibility of system failure tripping

omatically adjust the output voltage frequency ratio according to the tor parameters and unique algorithm

rting torque:

% rated torque at 5.0Hz (VF control)

% rated torque at 1.0Hz (vector control)

current closed-loop control, completely avoid current impact, with fect over-current and over-current inhibition function

low grid voltage and grid voltage frequency fluctuations, the system Im possible operation time even if the voltage is lower than the to the unique algorithm and residual energy distribution strategy ble multi-segment speed control, a variety of operating modes are

eset frequency). The RS485 communication function is standard, and protocols are optional, providing linkage and synchronization control

cvoltage 0 to 10V DC current 0 to 20mA(upper and lower limits tional)

eration panel settings, RS485 interface Settings, UP/DW terminal ntrol, can also be combined with analog input Settings

ault relay output (TATC), up to 17 meaning options

nalog signal output, output range between 0[~]20mA or 0[~]10V flexible ting, can achieve the set frequency, output frequency and other sical quantity output

an choose dynamic voltage, static voltage, unstable voltage three he most stable operation effect

us setting

braking starting voltage, back difference voltage and energy e can be adjusted continuously

ency :0.00[~][F0.05] upper frequency Braking time :0.0[~]30.0s; Braking d voltage of motor

continuously adjustable from 2.0KHZ to 20.0KHZ to minimize motor

ates system integration

quency setting, frequency jump operation, reversal operation limit, slip RS485 communication, frequency increasing and decreasing control, etc

»Installation Diemension

Basic Wiring





H

 \bigcirc

Holeso	dimensionsc	Keyboard thickness			
W	W1	Н	H1	D	D1
53mm	49.4mm	79mm	75.4mm	15.9mm	14.5mm

»Keyboard Dimension



Madal	W(mm)	W1(mm)	H(mm)	H1(mm)	D(mm)	Mounting	
Model	Dime	nsion		Hole(mm)			
0.4KW-3KW	63 72		142	136.5	146	104.5	4
3.7KW-5.5KW	78	65	180	200	212	126.4	4



Control terminal

10V	GND	AI	A0	485 +	485-	XI	X2	Х3	X4	СОМ	TA	тс

Main loop terminal



C200 Inverter Small Type Series



» C200 Series Output Specification

Voltage (V)	Inverter power	Brake res specific	sistance cation	Brake torque	Output current
	(KW)	W	Ω	10%ED	
	C200-S0.75GB	150	110	125	4
3phase 220V series	C200-S1.5GB	250	100	125	7
	C200-S2.2GB	300	65	125	9.6
	C200-T0.75GB	100	750	125	2.1
	C200-T1.5GB	300	400	125	3.8
3phase 380V series	C200-T2.2GB	300	250	125	5.1
	C200-T4GB/5.5PB	400	150	125	8.5
	C200-T5.5GB/7.5PB	500	100	125	13

Inverter Function Features

Innut	Rated voltage	frequency	3phase(C200-BT se	erie			
input	Allowat voltage	le range of	3phase(C200-BTse	ries			
	Voltage		C200-BT series; 0-	-38			
Output	Freque	псу	0~999.9HZ				
	Overloa	d capacity	110% Long-term 15	0%			
(Control mo	de	V/Econtrol:Simple v	ect			
	_		Analog terminal				
	Frequer	icy setting	input	0			
	resolutio	n	Digital setting	0			
			Analog Input	Ν			
	accurac	у	Digital Input	S			
			V/F curve(Voltage				
			frequency				
			features)	V			
				N			
	V/F cont	trol	I orque Lift	A			
Control			Automatic	+			
Eastura			current/voltagelimi	u			
reature			ting				
5			Voltage frequency	Δ			
			features				
			louidroo				
	SIVC		T	S			
	SLVC		l orque features	to			
				(8			
			Current & Voltage	F			
			limit	р			
	Under-v	oltage	Especially for users	wit			
	suppres	sion in	can maintain the maxir				
	operatio	n	allowed range, accordi				
	Multispe	ed	7 segments programm				
	Operatio	on	optional				
	PID con	trol RS485	Built-in PID controller (
	commur	nication	multiple communicatio				
			Analog Input				
	Frequer	icv setting					
	· · ·	, ,	Digital Output	C			
			Digital Output	C			
			Digital Output	1			
	Output s	signal		1			
Transformed			Analog Output	t			
Typical				0			
Function							
Function	Automat	tic voltage	According to the nee	ed			
Function	Automat regulatio	tic voltage on operation	According to the nee ways, in order to ob	ed (tair			
Function	Automat regulation Acceleration	tic voltage on operation ation/decele	According to the new ways, in order to ob 0.15~999.9min cont	ed (tair			
Function	Automat regulation Acceleration tir	tic voltage on operation ation/decele ne setting	According to the new ways, in order to ob 0.15~999.9min cont	ed (tair inu			
Function	Automat regulation Accelerat ration tir	tic voltage on operation ation/decele ne setting Dynamic braking	According to the new ways, in order to ob 0.15~999.9min cont The energy consum	ed o tair inu			
Function	Automat regulatio Accelera ration tir Brake	ic voltage on operation ation/decele ne setting Dynamic braking DC	According to the new ways, in order to ob 0.15~999.9min cont The energy consum consumption braking	ed o tair inu ptio g ra			
Function	Automai regulatio Accelera ration tir Brake	ic voltage on operation ation/decele ne setting Dynamic braking DC braking	According to the new ways, in order to ob 0.15~999.9min cont The energy consum consumption braking DCbraking starting f current :0 0%~50 0%	ed o tair inu ptio g ra			
Function	Automal regulatio Accelera ration tir Brake	ic voltage on operation ation/decele ne setting Dynamic braking DC braking	According to the new ways, in order to ob 0.15~999.9min cont The energy consum consumption braking DCbraking starting f current :0.0%~50.09 The carrier frequence	ed o tair inu ptio g ra freq % ra			
Function	Automat regulatio Accelera ration tir Brake Operatio	ic voltage on operation ation/decele ne setting Dynamic braking DC braking on function	According to the new ways, in order to ob 0.15~999.9min cont The energy consum consumption braking DCbraking starting f current :0.0%~50.09 The carrier frequence noise	ed (tair inu ptic g ra g ra g ra g ra g ra g ra g ra g ra			
Function	Automat regulation Accelerat ration tin Brake Operation	ic voltage on operation ation/decele ne setting Dynamic braking DC braking on function	According to the new ways, in order to ob 0.15~999.9min cont The energy consum consumption braking DCbraking starting f current :0.0%~50.09 The carrier frequence noise An internal counter	ed (tair inu ptio g ra frec % ra cy is			
Function	Automat regulation Acceleration tir Brake Operation Counter	ic voltage on operation ation/decele ne setting Dynamic braking DC braking on function	According to the new ways, in order to ob 0.15~999.9min cont The energy consum consumption braking DCbraking starting f current :0.0%~50.09 The carrier frequence noise An internal counter for	ed o tair inu ptio <u>g ra</u> freq % ra faci faci			
Function	Automat regulation Accelera ration tir Brake Operation Counter	ic voltage on operation ation/decele ne setting Dynamic braking DC braking on function	According to the new ways, in order to ob 0.15~999.9min cont The energy consum consumption braking DCbraking starting f current :0.0%~50.09 The carrier frequency noise An internal counter to Upper and lower lim slip frequency comp	ed o tair inu ptio g rac frec % rac faci it fi pen:			

es)380V;50/60HZ3pahse(C200-BS series)220V: 50/60HZ

s)320V~460V3phase(C200-BS series)190V~250V

30V C200-BS series: 0~220V

1min 180% 5s

torcontrol; Advancevectorcontrol; Torque control

1.1% of the maximum output frequency

).1HZ

Vithin 0.2% of the maximum output frequency

Set within 0.01% of the output frequency

here are three ways: the first is linear torgue characteristic curve, the econd is square torque characteristic curve, and the third is user-set //F curve

Anual setting: 0.0~30.0% of rated output Automatic lifting: Automatically determine lifting torque according to output current and notor parameters

Vhether in the process of acceleration, deceleration or stable operation, he stator current and voltage of the motor is automatically measured, and it is suppressed within the permissible range according to the inique algorithm. Minimize the possibility of system failure tripping Automatically adjust the output voltage frequency ratio according to the

notor parameters and unique algorithm

Starting torque:100% rated torque at 5.0Hz (VF control)150% rated orque at 1.5Hz (simple vector control)150% rated torque at 0.5Hz advanced vector control

ull current closed-loop control, completely avoid current impact, with perfect over-current and over-current inhibition function

th low grid voltage and grid voltage frequency fluctuations, the system mum possible operation time even if the voltage is lower than the ing to the unique algorithm and residual energy distribution strategy

able multi-segment speed control, a variety of operating modes are

preset frequency). The RS485 communication function is standard, and n protocols are optional, providing linkage and synchronization control

DCvoltage 0 to 10V DC current 0 to 20mA(upper and lower limits optional)

Operation panel settings,RS485 interface Settings, UP/DW terminal control, can also be combined with analog input Settings

OC output and 1 fault relay output (TATC), up to 17 meaning options

analog signal output, output range between 0~20mA or 0~10V flexible setting, can achieve the set frequency, output frequency and other physical quantity output

can choose dynamic voltage, static voltage, unstable voltage three the most stable operation effect

ous setting

on braking starting voltage, back difference voltage and energy ate can be adjusted continuously

quency :0.00~[F0.05] upper frequency Braking time :0.0~30.0s; Braking ated voltage of motor

is continuously adjustable from 2.0KHZ to 20.0KHZ to minimize motor

ilitates system integration

requency setting, frequency jump operation, reversal operation limit, sation, RS485 communication, frequency increasing and decreasing operation, etc

»Wiring Terminal Diagram







Model	W(mm)	W1(mm)	H(mm)	H1(mm)	H2(mm)	D(mm)		
	Installation	Dimension	Overall Dimension					
0.75KW-2.2KW	60 78		150	160	170	135		
3.0KW-5.5KW	78	95	179	200	212	154		

Keyboard Dimension



	Holesdime	Keyboard thickness				
W	W1	D	D1			
105mm	100mm	83mm	59.5mm	59.5mm	19.54mm	14.64mm



	+1	0V	AI		AC)	X1		X2		X3		X4		X5		
_		GN	D	485	5+	485	5-	GN	D	24\	/	Y		TA		тс	

Wiring Precautions

① When disassembling the motor, the input power of the Inverter must be cut off. 2 When the Inverter stops output, the motor can be switched or the power supply can be switched. relays used are close to the Inverter, should considered installing surge absorber . ④ Do not connect the AC input power to the Inverter output terminal U, V, W. (5) The external control line of the Inverter shall be equipped with an isolation device or shielded wire.

main loop wiring.

reduced. The best is wiring laid in the metal tube.

resistance to the ground with a 1000 volt M Ω meter to ensure that it is not lower than 4 volt M Ω . capacitance absorber.

control terminal to start and stop operation, so as not to damage the rectifier bridge. than 100Ω), otherwise there will be leakage.

provisions of the National electrical Engineering regulations.

- ③ In order to minimize the influence of electromagnetic interference, when the electromagnetic contactors and
- (6) In addition to shielding the input instruction signal wiring should be routed separately, preferably away from the
- ⑦ When the carrier frequency is less than 4KHz, the maximum distance between the Inverter and the motor should be within 50 meters; when the carrier frequency is greater than 4KHz, the distance should be appropriately
- 8 When the Inverter is installed with peripheral equipment (filter, reactor, etc.), it should first measure its insulation
- (9) The output terminal of U, V and W of the Inverter cannot be equipped with phase capacitance or resistance
- (1) If the Inverter needs to be startup frequently, do not turn off the power supply, and use the COM/RUN of the
- (1)To prevent accidents, the ground terminal G must be grounded reliably (grounding impedance should be less
- 12 When wiring the main loop, the diameter of the wiring should be selected in accordance with the relevant

WEIDE INVERTER PRODUCT MANUAL I 10

C300 Universal Series Vector Inverter



»Product Feature

Input	Rated voltage/frequenc y	Three phase/	AC380V;50/60HzSingle phaseAC220V;50/60Hz						
	Allowable voltage range	Three phase/	AC360V~450VSingle phaseAC190V~250V						
Output	Voltage	0~460V0~26	OV						
Output	Frequency	Low frequence	Low frequency mode: 0~300Hz Highfrequency mode: 0~3000Hz						
	Overload	Gmodel:110%	6 long-term150% 1minute200% 4secondPmodel:105% long-						
	capacity	term120% 1n	ninute150% 1second						
Control mode	9	V/Fcontrol、a control	advance V/Fcontrol、V/Fseparation control、No PG current vector						
	Frequency	Analogterm inalinput	0.1% of the maximum output frequency						
	setting resolution	Digital setting	0.01Hz						
	Frequency	Analog	Within 0.2% of the maximum output frequency						
_	accuracy	input							
		Digital input	Set within 0.01% of the output frequency						
		V/Fcurve(V	The base frequency can be set arbitrarily from 0.5 to 3000Hz, the						
Control		oltage	multi-point V/F curve can be set arbitrarily, and constant torque and						
features		frequency	reduced torque can also be selected 1, torque reduction 2, square						
		features)	torque and other fixed curves						
	V/Fcontrol		Manual setting: 0.0~30.0% of rated output Automatic lifting:						
		I orque lift	Automatically determine lifting torque according to output current						
			and motor parameters						
		Automatic	operation, it can automatically detect the motor stator current and						
		current/volt	voltage According to the unique algorithm it is suppressed within						
		agelimiting	the allowable range, and the possibility of system fault tripping is						
		agonning	minimized						
		Voltage							
		frequency	Automatically adjust the output voltage frequency ratio according to						
		features							
	SLVC		Starting torque:150% rated torque at 3.0Hz (VF control)150% rated						
		Torque	torque at 1.0Hz(advance VFcontrol)150% rated torque at						
		features	0.5Hz)Running speed steady-state accuracy:≤±0.2%Rated						
		isataroo	synchronous speedSpeed fluctuation: ≤±0.5%Rated synchronous						
			speedTorque response: ≤20ms (No PG current vector control)						

Ocertect	SLV	С		Moto para self- dete	or meters rmination	Without any rest completed unde best control effe	
features				Curr Volta	ent & age limit	Full current close overcurrent and	
	Unde supp oper	er-volta pressio ation	age on in	Espe mair rang	ecially for us ntain the ma e, according	ers with low grid v ximum possible or g to the unique alg	
	Mult spee swin frequ oper	i- edand g uency ration		16se optic men	egments pro onal. Swing t nory and rec	grammable multi-s frequency operatio overy after power	
	PIDo 85 com	control munica	RS4 ation	Built mult	-in PID cont iple commu	roller (preset frequinication protocols	
	Fred	uencv	,	Ana	og input	DCvoltage 0 to	
	setti	ng		Digit	al input	Operation panel can also be com	
					al input	2-way Y termina (TA, TB, TC), up	
	Outp	out sigi	nal	Anal	og input	2-wayanalog sig 0~20mA or 0~10 set frequency ar	
Typicalf unction	Auto volta oper	matic ige coi ation	ntrol	Acco in or	ording to the der to obtair	need can choose the most stable o	
	Acce ecel time	eleration eration setting	on/d 1 g	0.1s	~ 3600.0mi	n continuous can	
	Deska			Ener cons brak	gy sumption ing	Dynamic braking continuously adj	
	DIAK	e		DC I	oraking	Start frequency frequencybrake	
	Low	noise		Flux braking 0~100 0: invali The carrier frequency is continuc			
	oper	ation		noise			
	Spee spee func	ed trac ed rest tion	king art	It can realize the smooth restart c instantaneous power failure			
	Cou	nter		An ii	nternal coun	ter facilitates syste	
	Ope func	ration tion		Upper and lower limit frequency s frequency compensation, RS485			
	Оре	ratio	Runi statu	ning Is	Output free temperatu	quency, output cu re, PID setting, fee	
Display	n pa displ	nel lay	Aları cont	m ent	records of current, ou	six operating para utput voltage, DC v	
Protection	n func	tion			Over curre	ent, over voltage, u	
		Tem	peratu	ire	-10°C~+	40°C(The environ	
Environn	nent	Hum	idity		5%~95%F	RH,no condensatio	
LINIOIII	nont	Surro	oundin	igs	Indoor (no	direct sunlight, no	
		Altitu	Ide		Derating for	or use above 1000	
Structu	Structure Mode				IP20		
Installatio	n Mor	Cool	ing Mo	ode	Air cooling	, with fan control	
installatio					vvan mour	neu, cabillet type	

trictions, the automatic detection of parameters can be r the static and dynamic conditions of the motor to obtain the ct

ed-loop control, completely avoid current impact, with perfect overcurrent inhibition function

voltage and grid voltage frequency fluctuations, the system can peration time even if the voltage is lower than the allowed gorithm and residual energy distribution strategy

segment speed control, a variety of operating modes are on: preset frequency, center frequency adjustable, state failure

ency). The RS485 communication function is standard, and are optional, providing linkage and synchronization control

10V DC current 0 to 20mA(upper and lower limits optional)

settings RS485 interface settings, UP/DW terminal control, bined with analog input settings

al open collector output and 2-way programmable relay output p to 61 kinds of meaning options

gnal output, the output range can be flexibly set between 0V, which can realize the output of physical quantities such as nd output frequency

dynamic voltage, static voltage, unstable voltage three ways, operation effect

be set,S-type, linear mode optional

g initial voltage, backlashvoltage and dynamic braking rate are justable

of DC braking at stop:0.00~ [F00.13] upper limit time: 0.0~100.0s; brake current: 0.0%~150.0%rated current

sly adjustable from 1.0KHZ to 16.0KHZ to minimize motor

the motor in operation and the function of restart after

em integration

etting, frequency jump operation, reversal operation limit, slip communication, frequency increasing and decreasing control,

rrent, output voltage, motor speed, set frequency, module edback, analog input/output, etc

ameters such as output frequency, set frequency, output voltage, and module temperature when the latest fault occurs.

under voltage, module failure, electronic thermal relay, ernal memory failure, etc

ment temperatureis40°C~50°C, please derating use)

corrosion, flammable gas, no oil mist, dust, etc.) meters, 10% derating for every 1000 meter increase

Slection Table

Inverter Model	Output current	Adaptable Motor G/P Note: P is general fan (eg. blower)		
C300-T0.75GB	2.1		0.75	
C300-T1.5GB	3.8		1.5	
C300-T2.2GB	5.1		2.2	
C300-T4GB/5.5PB	8.5		4	5.5
C300-T5.5GB/7.5PB	13		5.5	7.5
C300-T7.5GB/11PB	16		7.5	11
C300-T11GB/15PB	24		11	15
C300-T15GB/18.5PB	32		15	18.5
C300-T18.5GB/22PB	36		18.5	22
C300-T22GB/30PB	44		22	30
C300-T30GB/37PB	58		30	37
C300-T37GB/45PB	70		37	45
C300-T45GB/55PB	90		45	55

Terminal Wiring Diagram



Туре	Terminal symbol	Terminal Name		
Dower	+ 10V	External+ 10V power supply	Provide current: power s	
Power	+ 24V	External+ 24V power supply	Provide input an power s	
Analog input	AI1-GND	Analog value input terminal 1		
	AI2-GND	Analog value input terminal 2	1、 Inpu 2、 Inpu 500kΩ.	
	x1	Digital input 1		
	x2	Digital input 2		
	x3	Digital input 3	1、 Inpu 2、 Volt	
Digital input	x4	Digital input 4		
	x5	x5 Digital input 5		
	x6 Digital input 6			
	x7	Digital input 7		
Analog output	AO1-GND	Analog output 1	Output	
Digital output	AO1-GND	Digital output 1	Optocou Output v Output o	
Relay input	TAI-TCI TA2-TC2	Normal open terminal	Contac AC250 DC 30\	
Relay output	TA1-TB1 TA2-TB2	Normal close terminal	Contac AC250 DC 30\	
Commu nication	485+ 485-	Rs485 communication trminal	Rs485	

Function Description

+10V power supply to the outside, the maximum output 50mA. Generally used as an external potentiometer working supply, potentiometer resistance range: $lk\Omega \sim 5k\Omega$.

+24V power supply to the outside, generally used as digital nd output terminal working power supply and external sensor supply. Maximum output current: 200mA.

ut voltage range: DC0V~10V ut resistance: 22kΩ

ut range: 4mA~20mA ut resistance: when voltage input is $22k\Omega$, when current input is

ut resistance: 2.4kΩ tage range at level input: 9V~30V

voltage range: 0V-10v

```
upler isolation, Bipolar open collector output
voltage range: 0V-24V
current range: 0mA~50mA
```

```
ct drive capability:
OV , 3A , COS⊘ = 0.4.
V , 1A
```

```
ct drive capability:
OV , 3A , COS⊘ = 0.4.
V , 1A
```

Communication

C300 Constant pressure water supply application

»Inverter Appearnce Dimension







»Installation and Dimension Parameters

Model	A (mm)	B (mm)	H (mm)	w (mm)	D (mm)	Mounting hole
	Installation dimension		Overall dimension			(mm)
0.75KW-5.5KW	78	200	212	95	154	78
7.5KW-11KW	129	230	240	140	180.5	129
15KW-30KW	188	305	322	205	199	188
37KW-45KW	195	430	450	270	265	195
55KW	240	541	560	320	280	240
75KW-110KW	240	646	665	380	282	240



Constant pressure water supply is a water supply method of a water conservancy system. Water supply is an indispensable part of national production and life. The traditional water supply method occupies a large area, the water quality is easily polluted, and the investment in infrastructure is large. The main disadvantage is that the water pressure cannot be kept constant, resulting in some equipment not working properly. Constant-pressure water supply can keep the water supply pressure constant, and can maintain a balance between water supply and water consumption, that is, when there is more water, there is more water supply, and when there is less water, there is less water supply, thus improving the quality of water supply. The constant-pressure water supply mode of Wade inverter has advanced technology, constant water pressure, convenient operation, reliable operation, energy saving, and high degree of automation. It can complete the following functions in the water supply of pumping stations:

(1) Maintain constant water pressure;

(2) The control system can be operated manually or automatically;

- (3) Automatic switching operation of multiple pumps;
- (4) The system sleeps and wakes up. When the outside world stops using water, the system stays in a

sleep state and wakes up automatically when there is a demand for water; (5) Pump group and line protection detection alarm, signal display, etc.

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