

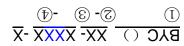
BLDC-A Series Controller Specification

1. Performance and parameter

ssai ag isnii	אווו פתנט—פנסף, מונפו וטא ופאמונ. אענט אמונו				
◆Start up Failed fault: If motor can't start in time, motor will auto—stop, after 10s restart. Auto start must be less					
aotom omit	_				
dos imorii	◆ Locked motor fault: when detect lock, motor stop immediately, after 60S restart。				
dota aotom					
ווטסו ובפומוו	after 60s.				
	which stop motor when the temperature is high scinumediately. When the temp back to 70 °c,				
_					
	restart. Sinside controller there is a temp				
_	closed contact switch, The motor suspend, after 60s motor				
vilemioM dii	◆ Over-heat: ①when controller connect w				
	seconds before attempting to restart.				
Current, The controller suspend for protection, delay for 60					
is over Max	♦ Over-current fault: when running current				
	start after 60s.				
	times, first long flash second short flash then t				
owi dae	Start-delay: Power on AC switch, the light fla				
	Voltage 28V±0.5V				
	Voltage 22V±0.5V; Upper limit 30V±0.5V, I				
Весолег	24VSystem: Lower limit voltage 20V±0.5V;				
_	Λ9.0±√4/				
	11 $V\pm 0.5V$; Upper limit 15 $V\pm 0.5V$, Recover V				
Sover Voltage	12Vsystem:lower limit Voltage 10V±0.5V; Red				
for 60 seconds before attempting to restart.					
ller will delay	◆Under Voltage fault protection: The controller will delay				
	before attempting to restart.				
spuoses 09 l	◆Over voltage: The controller will delay for				
	condition is cleared.				
ifter the fault	controller will attempt to restart the motor a				
unction Instruction Upon detection of a fault, the motor is shut down. The		Function Instruction	G		
load	ВАС(D)54-600-2 2200КРМ-4200КРМ				
motor and	BAC(D)S4-400-4 S200KPM-3700RPM				
Depend on	BAC(D)15-400-4	Model Speed Range	7		
	%96<	Efficiency	3		
		Power			
		Current/Rated			
	BAC(D)54-600-2: 54\\528\388\600M	Rated Current/Max			
	BAC(D)Sd-400-4: S4\\178\258\400W	Rated Voltage/			
	BAC(D)15-400-4: 15\\33\\47\\400W	Model	7		
	BAC(D)54-600-2				
BAC(D)54-400-4					
Кетагк	BAC(D)15-400-4	Model	L		
. u					

	೦,೪৮∼೦,0৮-	Ambient temp.	カレ
fan cooling		Type of cooling	13
1.5Kg		thgiəW	71
mm07*mm941*mme11		Dimension	11
₽nq1		Grade of Protection	١0
	LED (Option)	Trouble light	6
	Analog voltage connector	Connector	8
nt (maximum the capond the	◆The speed set-point is controlled by a zero analog non-isolated input. 0-5V Corresponding and maximum speed, 5v correspond the max speed max speed, 5v correspond the max speed N=10000000, (P* (2080-347* (0.6*Vin-0.12*) N means speed; Vin means 0-5V Analog inputs 5V, minimum is 0.3V,can start motor); P is 5V, minimum is 0.3V,can start motor); P O75series is 4 poles;135&208series is 2 poles	Control mode	
happen, the vire connect until connect	than 5 times, otherwise motor need to power or Option Function: ◆Fault signal output: Any problem above trouble light will flash; when controller works trouble light will be off. ◆Counter-attack function: If the power wincorrectly, the controller will be no damage; correctly, the controller will work normally.	opour jostgo	

3. Name rules



- ① BOYANG Controller;
- © Rated Voltage, V;
- ③ Rated Power, W;
- (4) Motor pole quantity

4. Installing instruction

The controller should be installed in the place where is ventilated, waterproof and strong unit base. The base of the controller should be fixed on the metal surface with silicone which can guarantee heating dissipation, Before installation, cleaning the unit base, make sure no water no oil and no dust! The installation dimensions can adjust according to customer' requirement.

5. Fault Indicator Output

	5 short 3 long	External temp protection	8
	4 short 3 long	Inner temp protection	7
of 0.7 seconds.	3 short 3 long	Over-current	9
flashing interval	2 short 3 long	рәәds мо	9
rong flash:	5 short 2 long	Start up Failed	7
of 0.4 seconds;	4 short 2 long	Over Voltage	3
Isvaetni gnidasit	3 short 2 long	Under Voltage	2
Short flash :	2 short 2 long	Over-heat	l
Remark	Light flash character	Fault type	ltem
		·	

Measurement	Fault Phenomenon	məវl
Stop the motor, change any 2 wires of	Motor reversal	l
the three motor wires, then restart		
motor.		
Make sure the connecting of motor	Motor no work	7
wires is correct, and the voltage also		
ивед то среск		
Make sure whether voltage is over-low	The speed is unnormal	3
or load too much 。		
Make sure voltage over-high or	Motor stop suddenly	Þ
over-low; over load or over heat.		
Make sure the connecting of motor	Motor can't startup or	9
wires is correct, and the voltage also	restart	
need to check.		
System over-load or short-circuit or	Trouble light flash	9
other protection		

