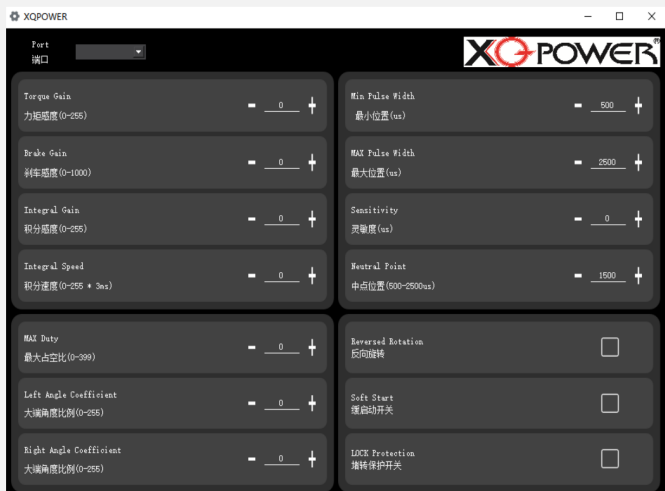


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2018.06.12			
						VER		X81_8175.06			
						Page.		P.1			
						Prepare Date		20180620			
GSN		XQ-8S	Product Name	XQ-POWER 8.4V/5kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS8175D	Material	CNC all-metal case		
Process flow						CNC / industry testing torque					
SIZE OF THE DRAWINGS						Control Specifications					AQL
						NO.	Standard Test Environment				
1-1	Temperature range	25℃±5℃									
1-2	Humidity range	65%±10%									
NO.	Apply Environmental Condition										
2-1	Storage Temperature Range	-20℃ ~ 70℃									
2-2	Operating Temperature Range	-15℃ ~ 65℃									
NO.	Mechanical Specification										
3-1	Servo Dimensions	20*40*40 mm									
3-2	Servo Weight	88g									
3-3	Servo Gear	Stainless Steel									
3-4	Angle of limit	210°									
3-5	Servo Bearing	2 Ball bearings									
3-6	Output force shaft	25T-φ7.96mm									
3-7	Servo arm	7075 Aluminium CNC									
3-8	Case Material	Aluminium CNC									
3-9	Servo line	300mm									
3-10	Built-in motor	Brushless motor (2 pairs of magnetic poles)									
3-11	Splash water resistance	Yes									
The Drawings						Electrical Specification					
Photos1						NO.	Test Operating Voltage Range				
						4-1	Work Voltage	6.0 V			
4-2	No load speed	0.17 sec/60°									
4-3	Runnig current (no load)	320 mA									
4-4	Peak stall torque	53 kg.cm									
4-5	Stall current	6.0 A									
	Work Voltage	7.4 V									
4-6	No load speed	0.14 sec/60°									
4-7	Runnig current (no load)	370 mA									
4-8	Peak stall torque	65 kg.cm									
4-9	Stall current	7.5 A									
	Work Voltage	8.4 V									
4-10	No load speed	0.11 sec/60°									
4-11	Runnig current (no load)	440 mA									
4-12	Peak stall torque	75 kg.cm									
4-13	Stall current	9.0 A									
Photos2						Make table		CHECK	APPROVE		
						MR.ZHONG		MR.LIU	Manager.ZHOU		

AQL

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2018.06.12		
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GSN		XQ-8S	Product Name	XQ-POWER 8.4V/5kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS8175D	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item		Specification		AQL
					5-1	Command signal		PWM		
					5-2	Amplifier type		Digital Controller		
					5-3	Pulse width range		800 ~ 2200 μsec		
					5-4	Neutral position		1500 μsec		
					5-5	Running degree		360° (when1000~2000 μsec) customization		
					5-6	Dead band width		2 μsec		
					5-7	Rotating direction		CCW (when1000 ~ 2000μsec)		
					Appearance inspection					
					NO.	QC details				
					5-7	Material qualified				
					5-8	Gear structure qualified				
					5-9	Function qualified				
					5-10	Use data qualified				
					5-11	Pass the test				
					NO.	Other				
					6-1					
					6-2					
					6-3					
6-4										
Other Accessories										
7-1	Plastic arm bag									
7-2	Screw									
7-3	Metal arm (additional purchase)									
										
Reference opinions of all departments: Agree										
Make table		CHECK		APPROVE						
MR.ZHONG		MR.LIU		Manager.ZHOU						

AQL