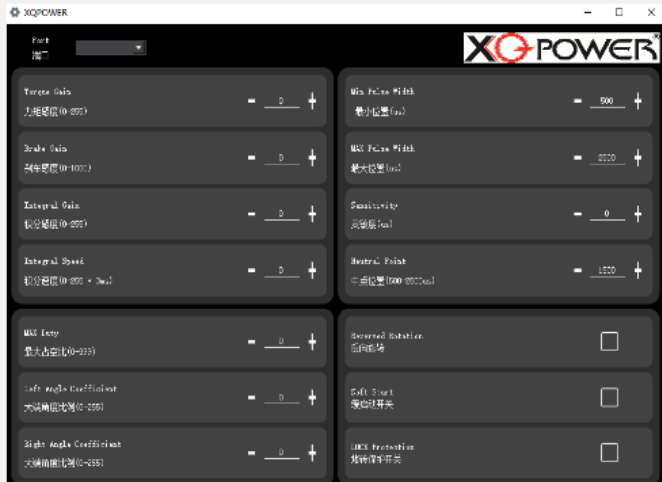


Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.2020.12.04			
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XQPOWER					Product Inspection Specification					
GSN	XQ-8S	Product Name	XQ-POWER 8.4V45kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS8145D	Material	CNC all-metal case		
Process flow					CNC / industry testing torque					
SIZE OF THE DRAWINGS					Control Specifications					AQL
					NO.	Standard Test Environment				
1-1	Temperature range	25°C±5°C								
1-2	Humidity range	65%±10%								
NO.	Apply Environmental Condition									
2-1	Storage Temperature Range	-20°C ~ 70°C								
2-2	Operating Temperature Range	-15°C ~ 65°C								
NO.	Mechanical Specification									
3-1	Servo Dimensions	20*40*38.4 mm								
3-2	Servo Weight	73g								
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-φ5.94mm								
3-7	Servo arm	Plastic, POM								
3-8	Case Material	Aluminium CNC								
3-9	Servo line	300mm								
3-10	Built-in motor	Brushless motor								
3-11	Splash water resistance	Yes								
The Drawings										
Photos1					Electrical Specification					
					NO.	Test Operating Voltage Range				
4-1	Work Voltage	6.0 V								
4-2	No load speed	0.144 sec/60°								
4-3	Runnig current (no load)	320 mA								
4-4	Peak stall torque	37 kg.cm								
4-5	Stall current	3.7 A								
	Work Voltage	7.4 V								
4-6	No load speed	0.122 sec/60°								
4-7	Runnig current (no load)	370 mA								
4-8	Peak stall torque	43 kg.cm								
4-9	Stall current	4.5 A								
	Work Voltage	8.4 V								
4-10	No load speed	0.106 sec/60°								
4-11	Runnig current (no load)	440 mA								
4-12	Peak stall torque	48 kg.cm								
4-13	Stall current	5.2 A								
Make table		CHECK		APPROVE						
MR.ZHONG		MR.LIU		Manager.ZHOU						

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GSN		XQ-8S	Product Name	XQ-POWER 8.4V45Kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS8145D	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item	Specification			
					5-1	Command signal	PWM 50-333Hz			
					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	1 μsec			
					5-7	Rotating direction	CCW (when 1000 ~ 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				
					Other Accessories					
					7-1	Plastic arm bag				
7-2	Screw									
7-3	Metal arm (additional purchase)									
										
Make table	CHECK	APPROVE								
MR.ZHONG	MR.LIU	Manager.ZHOU								
Reference opinions of all departments: Agree										