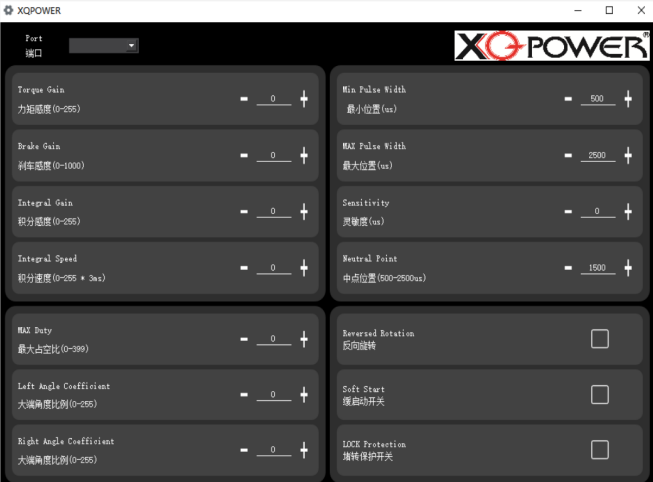


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.10.17		
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XQPOWER						Product Inspection Specification				
GSN		XQ-8H	Product Name	XQ-POWER 12V20kg-cm Hight Voltage Brushless Tail Servo		Model	XQ-BLS8120H	Material	CNC all-metal case	
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 mm		
						3-2	Servo Weight	78g		
						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-φ5.96mm		
						3-7	Servo arm	Plastic, POM		
						3-8	Case Material	Aluminium CNC		
						3-9	Servo line	300mm 22AWG		
The Drawings						3-10	Built-in motor	Brushless motor		
						3-11	Splash water resistance	Yes		
Photos1						Electrical Specification				
						NO	Test Operating Voltage Range			
						4-1	Work Voltage	7.4 V		
						4-2	No load speed	0.05 sec/60°		
						4-3	Runnig current (no load)	320 mA		
						4-4	Peak stall torque	12.5 kg.cm		
						4-5	Stall current	2.8 A		
							Work Voltage	8.4 V		
						4-6	No load speed	0.044 sec/60°		
						4-7	Runnig current (no load)	370 mA		
						4-8	Peak stall torque	15 kg.cm		
						4-9	Stall current	3.5 A		
							Work Voltage	12 V		
						4-10	No load speed	0.03 sec/60°		
						4-11	Runnig current (no load)	440 mA		
						4-12	Peak stall torque	20 kg.cm		
						4-13	Stall current	4.0 A		
Photos2						Make table	CHECK	APPROVE		
						MR.ZHONG	MR.LIU	Manager.ZHOU		

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.10.17		
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						Prepare Date		202401010		
GSN		XQ-8H	Product Name	XQ-POWER 12V20kg-cm High Voltage Brushless Tail Servo		Model	XQ-BLS8120H	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		510~1010 μsec		
					5-4	Neutral position		760 μsec		
					5-5	Running degree		360° (when1000~2000 μsec) Customization		
					5-6	Dead band width		1 μsec		
					5-7	Rotating direction		CCW(when 510 ~ 1010 μsec)		
					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										
6-1										
6-2										
6-3										
6-4										
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										