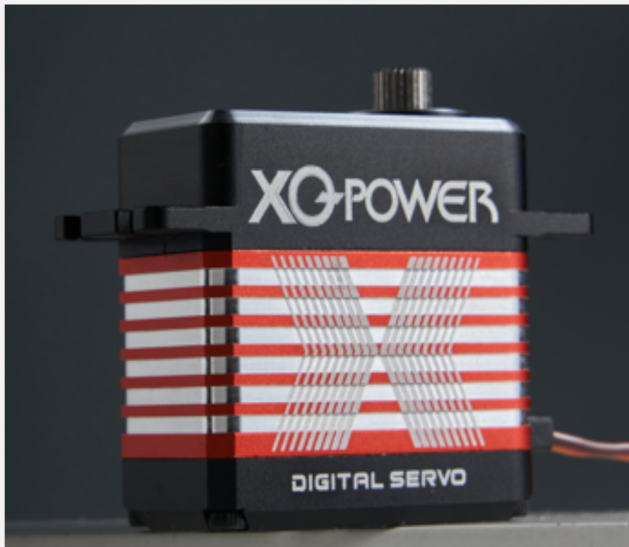
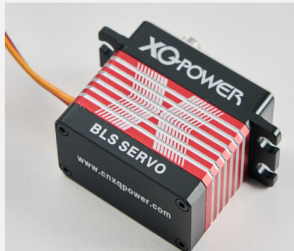
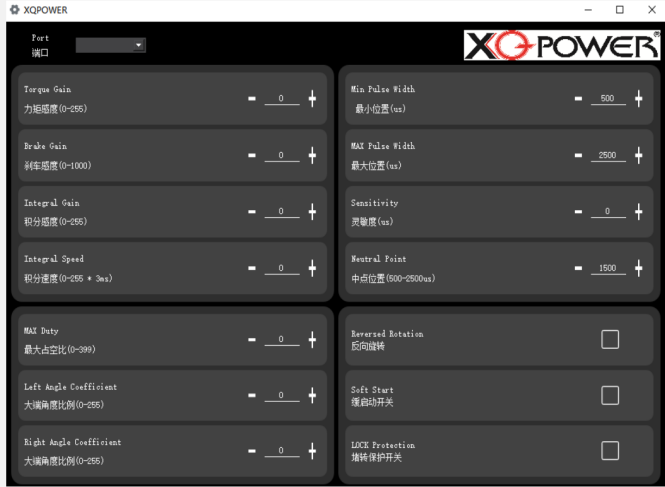


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.11.23			
						VER		X81_8140.15			
						Page.		P.1			
						Prepare Date		20241126			
GSN		XQ-8H	Product Name	XQ-POWER 12V40kg-cm Hight Voltage Brushless Tail Servo		Model	XQ-BLS8140H	Material	CNC all-metal case		
Process flow						CNC / 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									
3-10	Built-in motor	Brushless motor									
3-11	Splash water resistance	Yes									
The Drawings						Electrical Specification					
						NO.	Test Operating Voltage Range				
4-1	Work Voltage	7.4 V									
4-2	No load speed	0.11 sec/60°									
4-3	Runnig current (no load)	320 mA									
4-4	Peak stall torque	25 kg.cm									
4-5	Stall current	2.8 A									
	Work Voltage	8.4 V									
4-6	No load speed	0.094 sec/60°									
4-7	Runnig current (no load)	370 mA									
4-8	Peak stall torque	29 kg.cm									
4-9	Stall current	3.5 A									
	Work Voltage	12 V									
4-10	No load speed	0.07 sec/60°									
4-11	Runnig current (no load)	440 mA									
4-12	Peak stall torque	40 kg.cm									
4-13	Stall current	4.0 A									
		Make table		CHECK		APPROVE					
		MR.ZHONG		MR.LIU		Manager.ZHOU					
Photos1											
Photos2											

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.11.23			
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						Page.		P.2			
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GSN		XQ-8H	Product Name	XQ-POWER 12V40kg-cm Hight Voltage Brushless Tail Servo		Model	XQ-BLS8140H	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		1520 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						AQL
					NO.	QC details					
5-7	Material qualified										
5-8	Gear structure qualified										
5-9	Function qualified										
5-10	Use data qualified										
Accessories					5-11	Pass the test				AQL	
Photos1 					NO.	Other					
					6-1						
					6-2						
					6-3						
					6-4						
Other Accessories					AQL						
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	