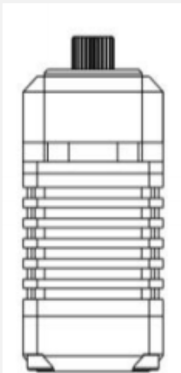
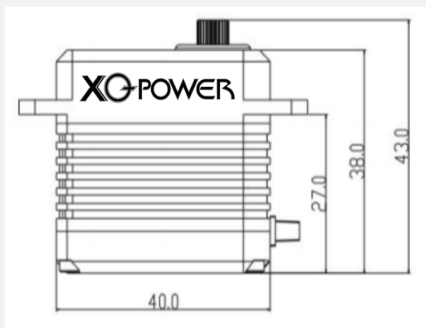
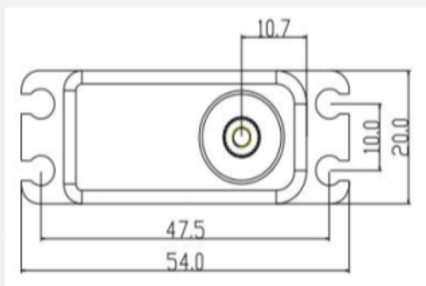
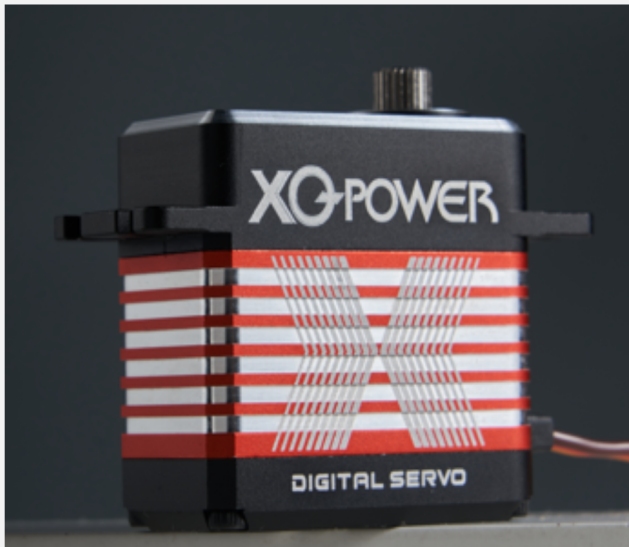
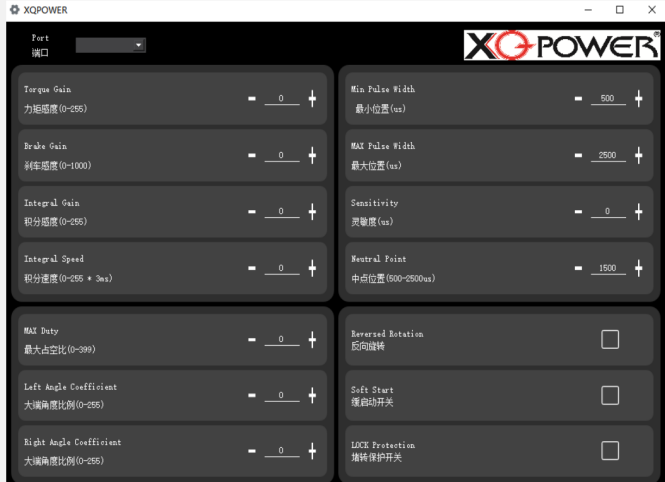


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.11.23				
						VER		X81_8140.15				
						Page.		P.1				
						Prepare Date		20241126				
GSN		XQ-8H	Product Name	XQ-POWER 12V40kg-cm Hight Voltage Brushless Tail Servo		Model	XQ-RS8140H	Material	CNC all-metal case			
Process flow						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 Photos1 						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								

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.11.23		
						VER		X81_8140.15		
						Page.		P.2		
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GSN		XQ-8H	Product Name	XQ-POWER 12V40kg-cm Hight Voltage Brushless Tail Servo		Model	XQ-RS8140H	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item		Specification		AQL
					5-1	Command signal		PWM / 485		
					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					
					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									
Accessories					NO.		Other			AQL
Photos1 					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			