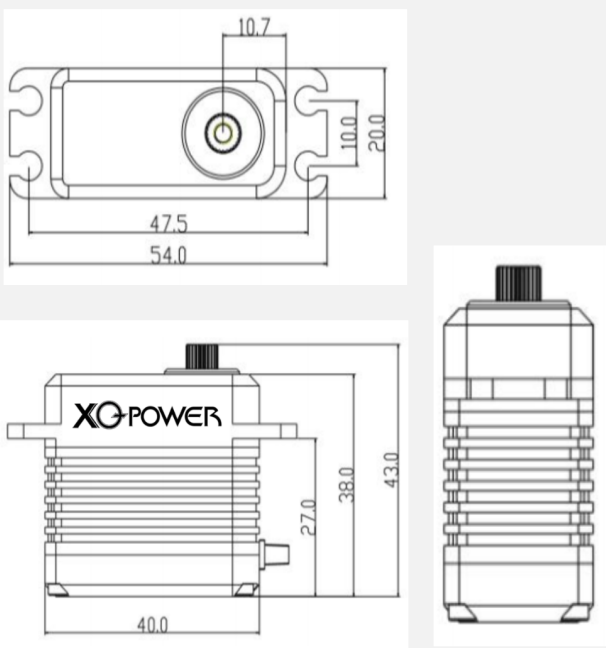
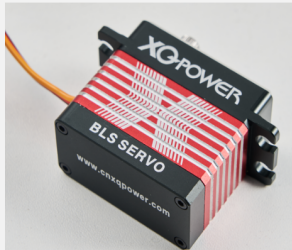
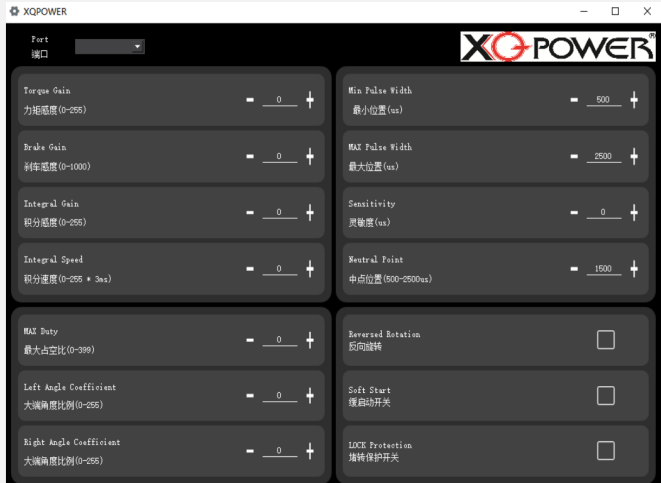


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.2024.10.17			
						VER	X81_8120.12			
						Page.	P.1			
						Prepare Date	202401010			
GSN		XQ-8H	Product Name	XQ-POWER 12V20kg-cm Hight Voltage Brushless Tail Servo	Model	XQ-RS8120H	Material	CNC all-metal case		
Process flow					CNC / industry 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					
Photos1					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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						Page.		P.2		
						Prepare Date		202401010		
GSN		XQ-8H	Product Name	XQ-POWER 12V20kg-cm High Voltage Brushless Tail Servo		Model	XQ-RS8120H	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		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)									
										
Reference opinions of all departments: Agree										
Make table		CHECK		APPROVE						
MR.ZHONG		MR.LIU		Manager.ZHOU						