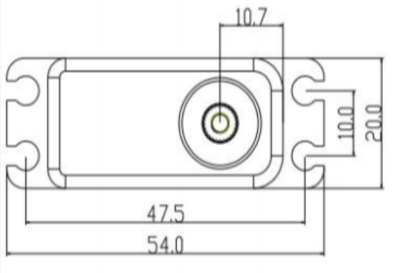
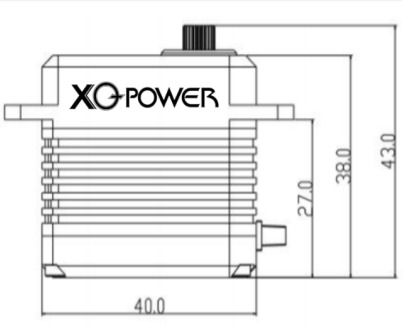
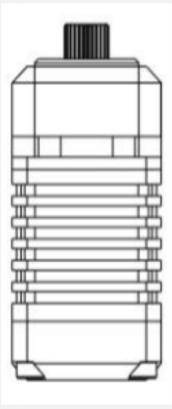
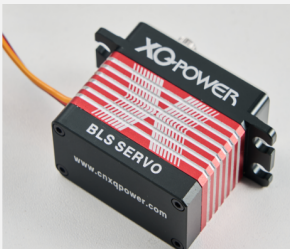


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.10.17				
						VER		X81_8120.12				
						Page.		P.1				
						Prepare Date		202401010				
XQPOWER		Product Inspection Specification										
GSN		XQ-8H	Product Name	XQ-POWER 12V20kg-cm Hight Voltage Brushless Tail Servo		Model	XQ-BLS8120TTL		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 						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		
Photos2 						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		
Make table		CHECK		APPROVE								
MR.ZHONG		MR.LIU		Manager.ZHOU								

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2024.10.17		
						VER		X81_8120.12		
						Page.		P.2		
						Prepare Date		202401010		
GSN		XQ-8H	Product Name	XQ-POWER 12V20kg-cm High Voltage Brushless Tail Servo		Model	XQ-BLS8120TTL	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				
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			