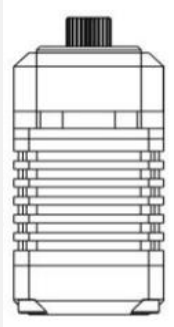
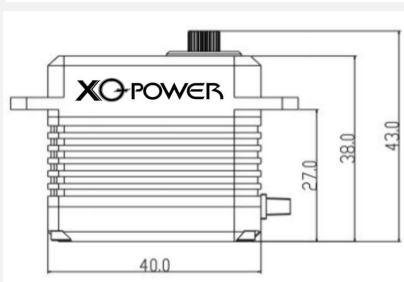
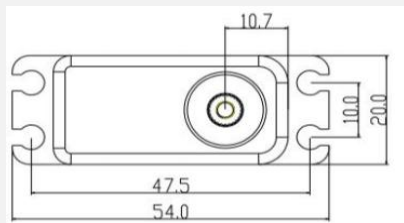


Shenzhen XQPOWER Technology Co., LTD  Product Inspection Specification						DOCUMENT NO	N/D.20200321.1.2	
						VER	X8_8120.01	
						Page.	P.1	
						Prepare Date	20200321	
GSN	XQ-8H	Product Name	XQ-POWER 12V20kg-cm Hight Voltage Brushless Tail Servo	Model	XQ-BLS8120H	Material	CNC all-metal case	
Process flow				CNC / industry testing torque				
SIZE OF THE DRAWINGS 				Control Specifications				
				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		
Photos1 				3-11	Splash water resistance	Yes		
				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  Product Inspection Specification					DOCUMENT NO	N/D.20200321.1.2	
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GSN	XQ-8H	Product Name	XQ-POWER 12V20kg-cm Hight 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	96° (when 510~1010 μsec)	
				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		
				Accessories			
Photos1 				NO.	Other	AQL	
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					