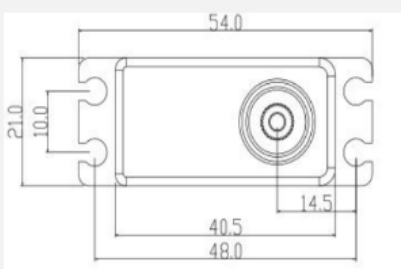
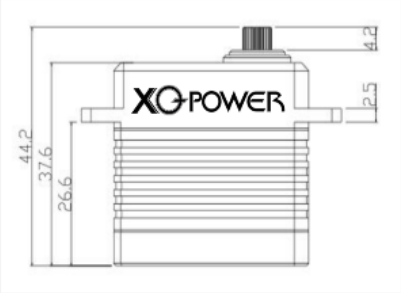
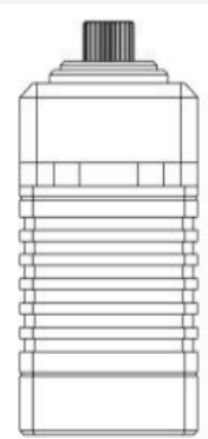
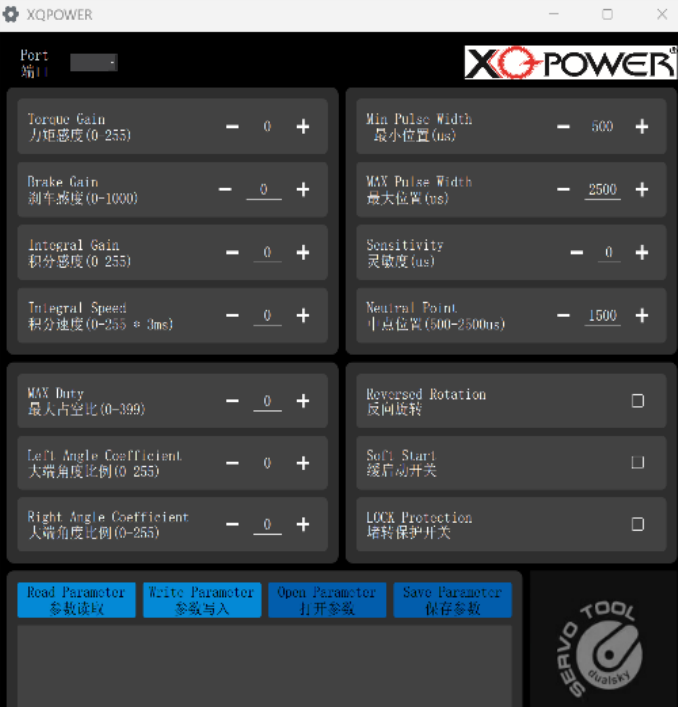


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.2017.1.23
						VER	X83_8335.02
						Page.	P.1
						Prepare Date	20170125
GSN	XQ-8S	Product Name	XQ-POWER 8.4V35kg-cm Hight Voltage Waterproof Brushless Servo	Model	XQ-S8335TTL	Material	CNC all-metal case
Process flow				CNC / industry testing 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		21*40.5*37.6 mm
				3-2	Servo Weight		87g
				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-φ5.94mm
				3-7	Servo arm		Plastic, POM
				3-8	Case Material		Aluminium CNC
				3-9	Servo line		300mm
				3-10	Built-in motor		Brushless motor
				3-11	Splash water resistance		IP67
The Drawings				Electrical Specification			
Photos1 				NO.	Test Operating Voltage Range		
				4-1	Work Voltage	6.0 V	
				4-2	No load speed	0.12 sec/60°	
				4-3	Runnig current (no load)	300 mA	
				4-4	Peak stall torque	24 kg.cm	
				4-5	Stall current	2.8 A	
					Work Voltage	7.4 V	
				4-6	No load speed	0.09 sec/60°	
				4-7	Runnig current (no load)	350 mA	
				4-8	Peak stall torque	30 kg.cm	
				4-9	Stall current	3.5 A	
					Work Voltage	8.4 V	
				Photos2			
4-11	Runnig current (no load)	410 mA					
4-12	Peak stall torque	35 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.2017.1.23		
						VER		X83_8335.02		
						Page.		P.2		
						Prepare Date		20170125		
GSN		XQ-8S	Product Name	XQ-POWER 8.4V35kg-cm Hight Voltage Waterproof Brushless Servo		Model	XQ-S8335TTL	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		1500 μsec		
					5-5	Running degree		360° (when1000~2000 μsec) Customization		
					5-6	Dead band width		2 μsec		
					5-7	Rotating direction		CCW(when 1000~2000 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				
					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	