

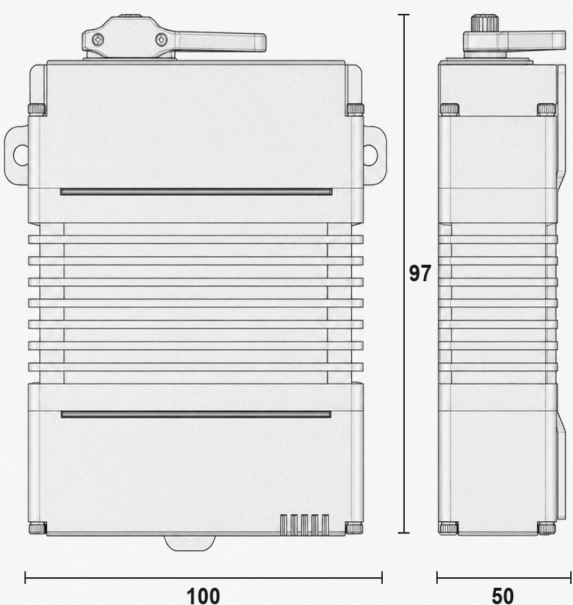
Shenzhen XQPOWER Technology Co., LTD



Product Inspection Specification

DOCUMENT NO	N/D.20240801.7.2
VER	X9_9450.05
Page.	P.1
Prepare Date	20250222

GSN	XQ-9S	Product Name	XQ-POWER 30V450kg-cm Brushless Servo	Model	XQ-S9450F	Material	CNC all-metal case
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Process flow		CNC / industry testing torque		
SIZE OF THE DRAWINGS SIZE MM 		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	-30°C ~ 70°C
		2-2	Operating Temperature Range	-30°C ~ 60°C
		NO.	Mechanical Specification	
		3-1	Servo Dimensions	100*50*97 mm
		3-2	Servo Weight	895g
		3-3	Servo Gear	Steel Gear
		3-4	Angle of limit	No Limit
		3-5	Servo Bearing	8 Ball bearings
		3-6	Output force shaft	25T-φ11.98mm
		3-7	Servo arm	Metal
		3-8	Case Material	Aluminium CNC
		3-9	Servo line	J30J-15TJL purchase separately
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	24 V
		4-2	No load speed	0.30 sec/60°
		4-3	Runnig current (no load)	400 mA
		4-4	Peak stall torque	560 kg.cm
		4-5	Stall current	18 A
			Work Voltage	28 V
		4-6	No load speed	0.25 sec/60°
		4-7	Runnig current (no load)	430 mA
		4-8	Peak stall torque	650 kg.cm
		4-9	Stall current	21 A
			Work Voltage	30 V
		Photos2 Support customization PWM, CAN, RS485 		4-10
4-11	Runnig current (no load)			450 mA
4-12	Peak stall torque			700 kg.cm
4-13	Stall current			22.5 A
Make table	CHECK			APPROVE
		MR.ZHONG	MR.LIU	Manager.ZHOU

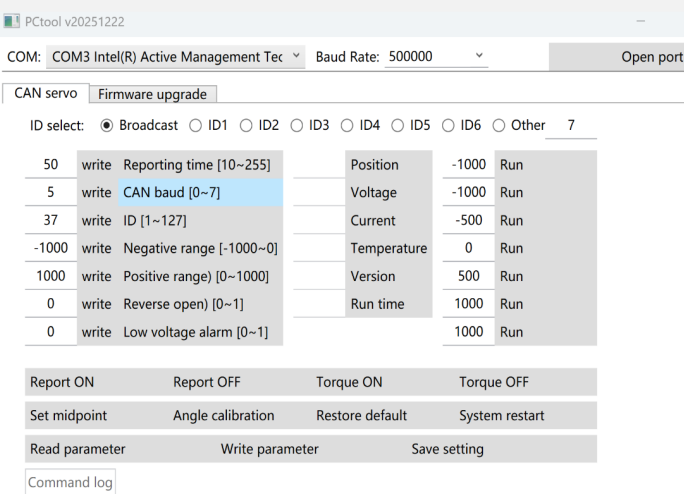
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Control Specification									
Test display diagram					EMPHASIS				
Photos1 					NO.	Item		Specification	
					5-1	Command signal		PWM S-Bus CAN 485	
					5-2	Amplifier type		Digital Controller	
					5-3	Pulse width range		500~2500 μsec customizable	
					5-4	Neutral position		1500 μsec customizable	
					5-5	Running degree		360° (when 1000~2000 μsec) customizable	
					5-6	Dead band width		3 μsec	
					5-7	Rotating direction		CCW (when 1000 ~2000 μsec) customizable	
					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						