Shenzhen XQPOWER Technology Co., LTD

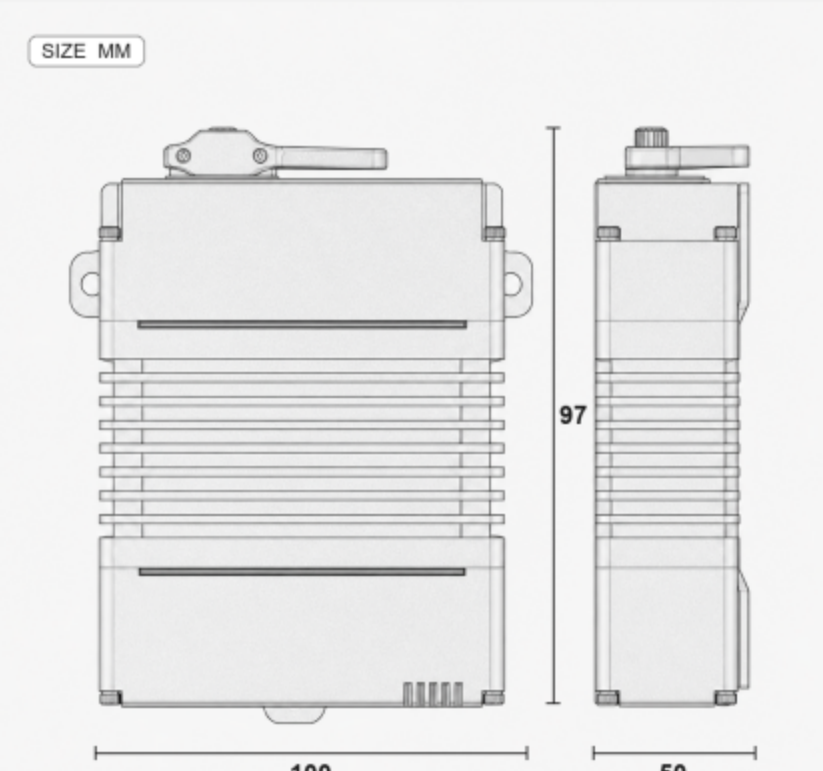
Product Inspection Specification

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

GSN	XQ-9S	Product Name	XQ-POWER 30V450kg-cm Brushless Servo	Model	XQ-RS9450FMB	Material	CNC all-metal case

Process flow | **CNC / industry testing torque**

SIZE OF THE DRAWINGS



The Drawings

Photos1



Photos2



Control Specifications		
NO.	Standard Test Environment	
1-1	Temperature range	25℃±5℃
1-2	Humidity range	65%±10%
NO.	Apply Environmental Condition	
2-1	Storage Temperature Range	-30℃ ~ 70℃
2-2	Operating Temperature Range	-30℃ ~ 60℃
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	Socket(Wire IM separately to buy)
3-10	Built-in motor	Brushless motor
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**
4-10	No load speed	0.21 sec/60°
4-11	Runnig current (no load)	450 mA
4-12	Peak stall torque	700 kg.cm
4-13	Stall current	22.5 A

AQL

Make table	CHECK	APPROVE
MR.ZHONG	MR.LIU	Manager.ZHOU

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Product Inspection Specification

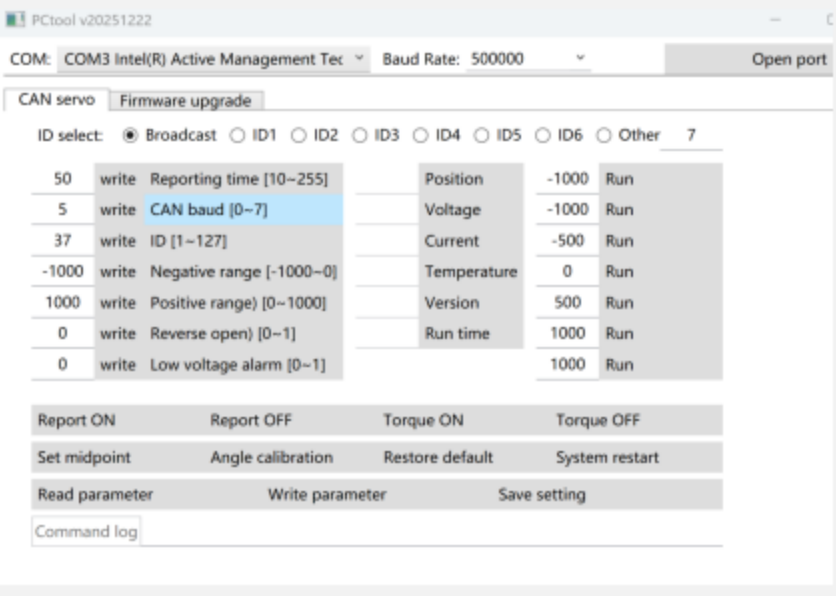
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Control Specification

Test display diagram

Photos1



Accessories

Photos1



Reference opinions of all departments: Agree

EMPHASIS

NO.	Item	Specification
5-1	Command signal	RS485 MODBUS
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
5-11	Pass the test

AQL

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)



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