Shenzhen XQPOWER Technology Co., LTD

XQ-POWER

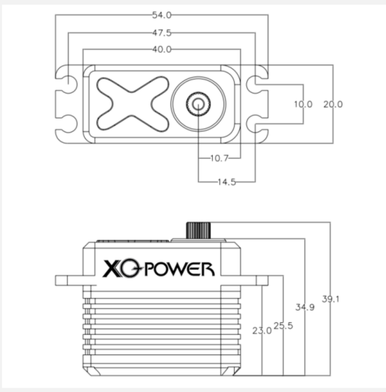
Product Inspection Specification

DOCUMENT NO	N/D.20200321.1.2
VER	X8_8020.01
Page.	P.1
Prepare Date	20200321

GSN	XQ-8S	Product Name	XQ-POWER 8.4V22kg-cm Hight Voltage Digital Servo	Model	XQ-S8020TTL	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	-20℃～70℃
2-2	Operating temperature range	-15℃～65℃
NO.	Mechanical Specification	
3-1	Servo dimensions	20*40*34.9 mm
3-2	Servo weight	65g
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	Coreless motor
3-11	Splash water resistance	Yes
	Electrical Specification	
NO.	Test Operating Voltage Range	
4-1	Work Voltage	**6.0 V**
4-2	No load speed	0.14 sec/60°
4-3	Runnig current (no load)	300 mA
4-4	Peak stall torque	17 kg.cm
4-5	Stall current	2.8 A
	Work Voltage	**7.4 V**
4-6	No load speed	0.12 sec/60°
4-7	Runnig current (no load)	350 mA
4-8	Peak stall torque	20 kg.cm
4-9	Stall current	3 A
	Work Voltage	**8.4 V**
4-10	No load speed	0.10 sec/60°
4-11	Runnig current (no load)	420 mA
4-12	Peak stall torque	23 kg.cm
4-13	Stall current	3.5 A

AQL

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

Shenzhen XQPOWER Technology Co., LTD

XQ-POWER

Product Inspection Specification

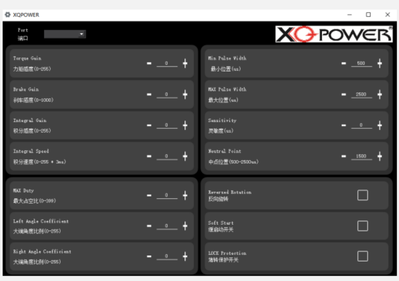
DOCUMENT NO	N/D.20200321.1.2
VER	X8_8020.01
Page.	P.2
Prepare Date	20200321

GSN	XQ-8S	Product Name	XQ-POWER 8.4V22kg-cm Hight Voltage Digital Servo	Model	XQ-S8020TTL	Material	CNC all-metal case

Control Specification

Test display diagram	EMPHASIS

Photos1



NO.	Item	Specification
5-1	Command signal	TTL
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)
5-6	Dead band width	1 μsec
5-7	Rotating direction	CCW(when1000～2000 μsec)
	Appearance inspection	
NO.	QC details	
5-7	Material qualified	
5-8	Gear structure qualified	
5-9	Function qualified	
5-10	Use data qualified	
5-11	Pass the test	

AQL

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