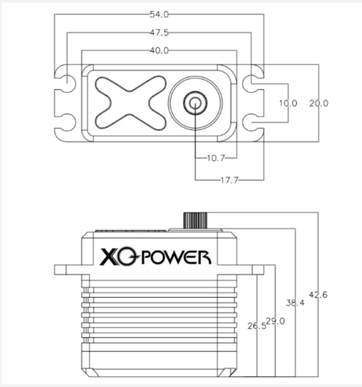
Shenzhen XQPOWER Technology Co., LTD	DOCUMENT NO	N/D.20200321.1.2
XQ-POWER Product Inspection Specification	VER	X8_8035.02
	Page.	P.1
	Prepare Date	20200405

GSN	XQ-8S	Product Name	XQ-POWER 8.4V35kg-cm Hight Voltage Digital Servo	Model	XQ-S8035D	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*38.4 mm	
3-2	Servo weight	73g	
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	AQL
	Electrical Specification		
NO.	Test Operating Voltage Range		
4-1	Work Voltage	**6.0 V**	
4-2	No load speed	0.131 sec/60°	
4-3	Runnig current (no load)	320 mA	
4-4	Peak stall torque	28 kg.cm	
4-5	Stall current	3.7 A	
	Work Voltage	**7.4 V**	
4-6	No load speed	0.104 sec/60°	
4-7	Runnig current (no load)	370 mA	
4-8	Peak stall torque	34 kg.cm	
4-9	Stall current	4.5 A	
	Work Voltage	**8.4 V**	
4-10	No load speed	0.088 sec/60°	
4-11	Runnig current (no load)	440 mA	
4-12	Peak stall torque	40 kg.cm	
4-13	Stall current	5.2 A	

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

Shenzhen XQPOWER Technology Co., LTD	DOCUMENT NO	N/D.20200321.2.2
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	Prepare Date	20200405

GSN	XQ-8S	Product Name	XQ-POWER 8.4V35kg-cm Hight Voltage Digital Servo	Model	XQ-S8035D	Material	CNC all-metal case

Control Specification

Test display diagram

Photos1



Accessories

Photos1



Reference opinions of all departments: Agree

EMPHASIS

NO.	Item	Specification	
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)	
5-6	Dead band width	1 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		AQL
5-10	Use data qualified		
5-11	Pass the test		
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)		



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