

Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.201611.7.25			
					VER		X3_325.03			
					Page.		P.1			
					Prepare Date		20161110			
GSN		XQ-3S	Product Name	XQ-POWER 8.4V25kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS325TTL	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	41*20.5*28.5 mm			
					3-2	Servo Weight	65g			
					3-3	Servo Gear	Stainless Steel			
					3-4	Angle of limit	No Limit			
					3-5	Servo Bearing	2 Ball bearings			
					3-6	Output force shaft	25T-φ5.96mm			
					3-7	Servo arm	Plastic, POM			
					3-8	Case Material	Aluminium CNC			
					3-9	Servo line	300mm 3P			
3-10	Built-in motor	Brushless motor								
3-11	Splash water resistance	Yes								
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)	190 mA			
					4-4	Peak stall torque	17.5 kg.cm			
					4-5	Stall current	3.5 A			
						Work Voltage	7.4 V			
					4-6	No load speed	0.09 sec/60°			
					4-7	Runnig current (no load)	220 mA			
					4-8	Peak stall torque	22 kg.cm			
					4-9	Stall current	4 A			
						Work Voltage	8.4 V			
					Photos2					4-10
4-11	Runnig current (no load)	250 mA								
4-12	Peak stall torque	25 kg.cm								
4-13	Stall current	5 A								
	Make table	CHECK	APPROVE							
	MR.ZHONG	MR.LIU	Manager.ZHOU							

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.201611.7.25
						VER	X3_325.03
						Page.	P.2
						Prepare Date	20161110
GSN	XQ-3S	Product Name	XQ-POWER 8.4V25kg-cm Hight Voltage Brushless Servo	Model	XQ-BLS325TTL	Material	CNC all-metal case
Control Specification							
Test display diagram				EMPHASIS			
Photos1				NO.	Item	Specification	AQL
				5-1	Command signal	PWM / 485	
				5-2	Amplifier type	Digital Controller	
				5-3	Pulse width range	700~2300 μsec	
				5-4	Neutral position	1500 μsec	
				5-5	Running degree	96° (when1000~2000 μsec) customization	
				5-6	Dead band width	2 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		
				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)		
				Make table	CHECK	APPROVE	
				MR.ZHONG	MR.LIU	Manager.ZHOU	