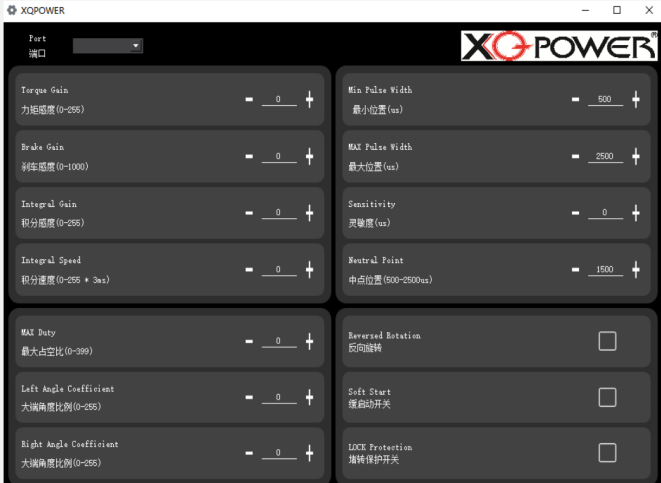


Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.2020.6.25		
					VER		X81_8125.02		
					Page.		P.1		
					Prepare Date		20200630		
XQPOWER					Product Inspection Specification				
GSN	XQ-8S	Product Name	XQ-POWER 8.4V20kg-cm Hight Voltage Brushless Servo		Model	XQ-RS8125D	Material	CNC all-metal case	
Process flow					CNC / industry testing torque				
SIZE OF THE DRAWINGS					Control Specifications				AQL
					NO.	Standard Test Environment			
					1-1	Temperature range	25℃±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	77g		
					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	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)	300 mA		
					4-4	Peak stall torque	18 kg.cm		
					4-5	Stall current	2.8 A		
						Work Voltage	7.4 V		
					4-6	No load speed	0.09 sec/60°		
					4-7	Runnig current (no load)	350 mA		
					4-8	Peak stall torque	22 kg.cm		
					4-9	Stall current	3.5 A		
						Work Voltage	8.4 V		
					4-10	No load speed	0.07 sec/60°		
4-11	Runnig current (no load)	410 mA							
4-12	Peak stall torque	25 kg.cm							
4-13	Stall current	4.0 A							
Photos2					Make table	CHECK	APPROVE		
					MR.ZHONG	MR.LIU	Manager.ZHOU		

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2020.6.25	
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						Prepare Date		20200630	
GSN		XQ-8S	Product Name	XQ-POWER 8.4V20kg-cm High Voltage Brushless Servo		Model	XQ-RS8125D	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	800~2200 μsec		
					5-4	Neutral position	1500 μsec		
					5-5	Running degree	360° (when1000~2000 μsec) Customization		
					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			
					5-10	Use data qualified			
Accessories					5-11	Pass the test			
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				
MR.ZHONG	MR.LIU	Manager.ZHOU							