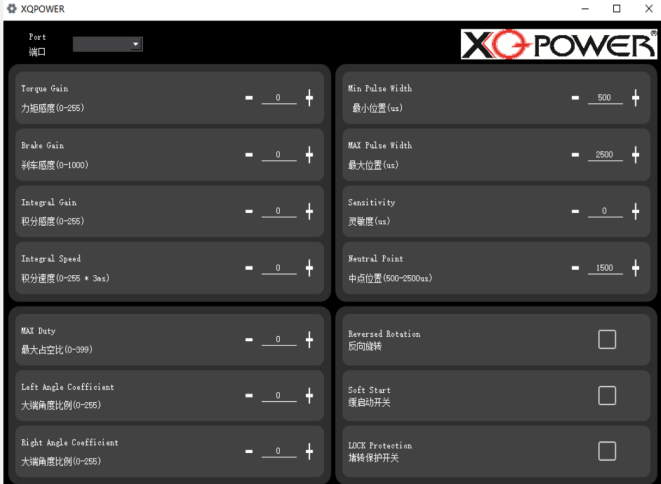


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20200321.1.2					
						VER		X8_8035.02					
						Page.		P.1					
						Prepare Date		20200405					
GSN		XQ-8S	Product Name	XQ-POWER 8.4V35kg-cm Hight Voltage Digital Servo		Model	XQ-S8035D	Material	CNC all-metal case				
Process flow						CNC / industry testing torque							
SIZE OF THE DRAWINGS						Control Specifications							
						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		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									
The Drawings						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		
						VER		X8_8035.02		
						Page.		P.2		
						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					EMPHASIS					
Photos1 					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				
					5-10	Use data qualified				
					5-11	Pass the test				
Accessories					NO.	Other				
Photos1 					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
					MR.ZHONG	MR.LIU	Manager.ZHOU			