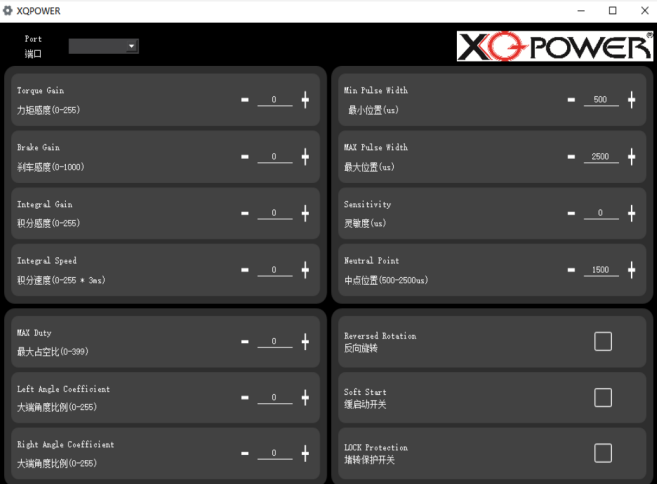


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20190719.6.5				
						VER		X8_8060.03				
						Page.		P.1				
						Prepare Date		20190720				
GSN		XQ-8S	Product Name	XQ-POWER 8.4V61kg-cm Hight Voltage Digital Servo		Model	XQ-S8060D	Material	CNC all-metal case			
Process flow						CNC / 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	20*40*41 mm				
						3-2	Servo Weight	81g				
						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						
Photos1						NO.	Test Operating Voltage Range					
						4-1	Work Voltage	6.0 V				
						4-2	No load speed	0.180sec/60°				
						4-3	Runnig current (no load)	350 mA				
						4-4	Peak stall torque	48 kg.cm				
						4-5	Stall current	4.4 A				
							Work Voltage	7.4 V				
						4-6	No load speed	0.158 sec/60°				
						4-7	Runnig current (no load)	390 mA				
						4-8	Peak stall torque	55 kg.cm				
						4-9	Stall current	5.4 A				
							Work Voltage	8.4 V				
						4-10	No load speed	0.136 sec/60°				
						4-11	Runnig current (no load)	450 mA				
						4-12	Peak stall torque	62 kg.cm				
						4-13	Stall current	6.2 A				
Photos2						Make table		CHECK	APPROVE			
						MR.ZHONG		MR.LIU	Manager.ZHOU			

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20190719.6.5		
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GSN		XQ-8S	Product Name	XQ-POWER 8.4V61kg-cm Hight Voltage Digital Servo		Model	XQ-S8060D	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item	Specification		AQL	
					5-1	Command signal	PWM 50-333Hz			
					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 ~2000μsec)			
					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		CHECK		APPROVE	
					MR.ZHONG		MR.LIU		Manager.ZHOU	