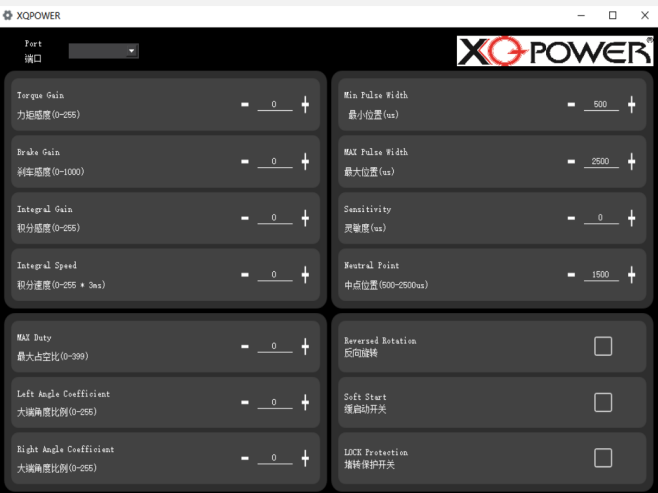


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2018.06.12											
						VER		X81_8175.06											
						Page.		P.1											
						Prepare Date		20180620											
XQ-POWER		Product Inspection Specification						XQ-POWER 8.4V/5kg-cm Hight Voltage Brushless Servo		Model		XQ-RS8175D		Material		CNC all-metal case			
GSN		XQ-8S		Product Name															
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*40 mm															
3-2		Servo Weight		88g															
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-φ7.96mm															
3-7		Servo arm		7075 Aluminium CNC															
3-8		Case Material		Aluminium CNC															
3-9		Servo line		300mm															
3-10		Built-in motor		Brushless motor (2 pairs of magnetic poles)															
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		0.17 sec/60°					
										4-3		Runnig current (no load)		320 mA					
										4-4		Peak stall torque		53 kg.cm					
										4-5		Stall current		6.0 A					
												Work Voltage		7.4 V					
										4-6		No load speed		0.14 sec/60°					
										4-7		Runnig current (no load)		370 mA					
										4-8		Peak stall torque		65 kg.cm					
										4-9		Stall current		7.5 A					
												Work Voltage		8.4 V					
										4-10		No load speed		0.11 sec/60°					
										4-11		Runnig current (no load)		440 mA					
										4-12		Peak stall torque		75 kg.cm					
										4-13		Stall current		9.0 A					
Photos2										Make table		CHECK		APPROVE					
										MR.ZHONG		MR.LIU		Manager.ZHOU					

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2018.06.12		
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						Prepare Date		20180620		
GSN		XQ-8S	Product Name	XQ-POWER 8.4V/5kg-cm High Voltage Brushless Servo		Model	XQ-RS8175D	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		2 μsec		
					5-7	Rotating direction		CCW (when1000 ~2000μsec)		
					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)				
										
					Reference opinions of all departments: Agree					
					Make table		CHECK		APPROVE	
					MR.ZHONG		MR.LIU		Manager.ZHOU	