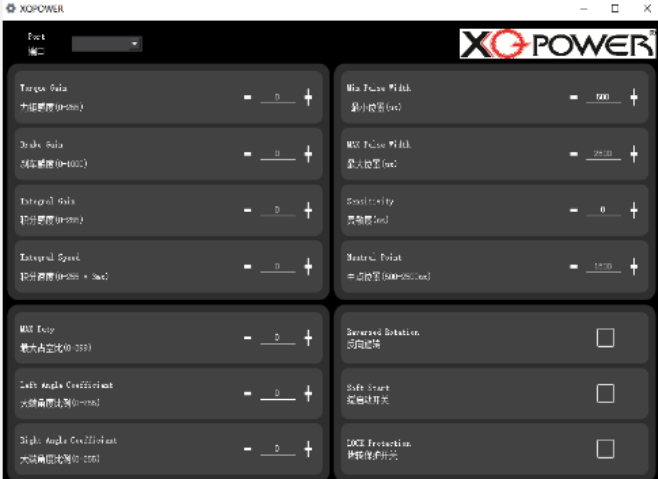


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2020.12.04				
						VER		X81_8145.03				
						Page.		P.1				
						Prepare Date		20201209				
XQPOWER						Product Inspection Specification						
GSN		XQ-8S	Product Name		XQ-POWER 8.4V45kg-cm High Voltage Brushless Servo		Model	XQ-RS8145D	Material	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*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	Brushless 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	0.144 sec/60°				
						4-3	Runnig current (no load)	320 mA				
						4-4	Peak stall torque	37 kg.cm				
						4-5	Stall current	3.7 A				
							Work Voltage	7.4 V				
						4-6	No load speed	0.122 sec/60°				
						4-7	Runnig current (no load)	370 mA				
						4-8	Peak stall torque	43 kg.cm				
						4-9	Stall current	4.5 A				
							Work Voltage	8.4 V				
						4-10	No load speed	0.106 sec/60°				
						4-11	Runnig current (no load)	440 mA				
						4-12	Peak stall torque	48 kg.cm				
						4-13	Stall current	5.2 A				
Photos1						Make table		CHECK		APPROVE		
						MR.ZHONG		MR.LIU		Manager.ZHOU		
Photos2												

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.2020.12.04	
						VER	X81_8145.03	
						Page.	P.2	
						Prepare Date	20201209	
XQ-POWER		Product Inspection Specification						
GSN	XQ-8S	Product Name	XQ-POWER 8.4V45kg-cm Hight Voltage Brushless Servo	Model	XQ-RS8145D	Material	CNC all-metal case	
Control Specification								
Test display diagram				EMPHASIS				
Photos1 				NO.	Item	Specification		
				5-1	Command signal	PWM / 485 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) Customization		
				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					