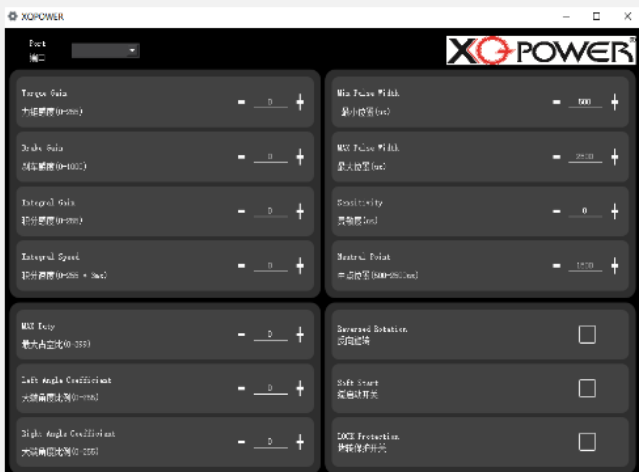


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.2020.12.04								
						VER	X81_8145.03								
						Page.	P.1								
						Prepare Date	20201209								
GSN		XQ-8S	Product Name	XQ-POWER 8.4V45kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS8145TTL	Material	CNC all-metal case						
Process flow						CNC / industry testing torque									
SIZE OF THE DRAWINGS						Control Specifications			AQL						
						Standard Test Environment									
						NO.									
						1-1	Temperature range	25°C±5°C							
						1-2	Humidity range	65%±10%							
						Apply Environmental Condition									
						NO.									
						2-1	Storage Temperature Range	-20°C ~ 70°C							
						2-2	Operating Temperature Range	-15°C ~ 65°C							
						Mechanical Specification									
						NO.									
						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													
The Drawings			3-10	Built-in motor	Brushless motor										
Photos1						3-11	Splash water resistance	Yes							
						Electrical Specification									
						Test Operating Voltage Range									
						NO.									
						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					
						Photos2						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	
Make table		CHECK	APPROVE												
MR.ZHONG		MR.LIU	Manager.ZHOU												

Shenzhen XQPOWER Technology Co., LTD XQPOWER Product Inspection Specification					DOCUMENT NO		N/D.2020.12.04							
					VER		X81_8145.03							
					Page.		P.2							
					Prepare Date		20201209							
GSN		XQ-8S	Product Name	XQ-POWER 8.4V45kg-cm High Voltage Brushless Servo		Model	XQ-BLS8145TTL	Material	CNC all-metal case					
Control Specification														
Test display diagram					EMPHASIS									
Photos1 					NO.	Item		Specification						
					5-1	Command signal		PWM / CAN / 485 50-3338						
					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					AQL				
					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					Make table	CHECK	APPROVE							
					MR.ZHONG	MR.LIU	Manager.ZHOU							