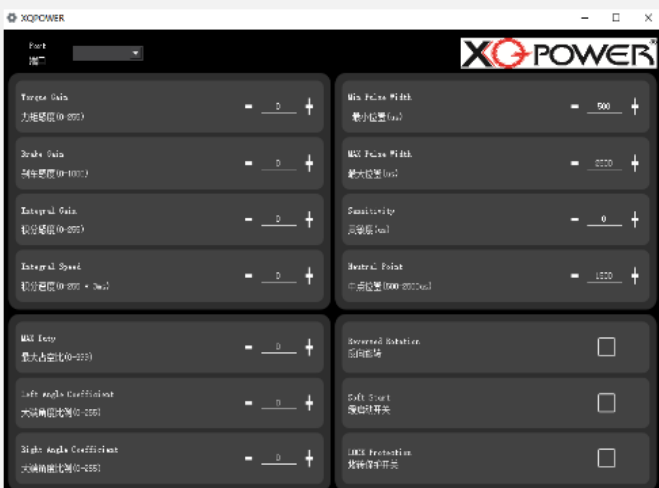


Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.2020.12.04												
					VER		X81_8145.03												
					Page.		P.1												
					Prepare Date		20201209												
XQPOWER					Product Inspection Specification														
GSN	XQ-8S	Product Name	XQ-POWER 8.4V45kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS8145DC	Material	CNC all-metal case											
Process flow					CNC / industry testing torque														
SIZE OF THE DRAWINGS					Control Specifications					AQL									
					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														
Photos1					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									
					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					DOCUMENT NO		N/D.2020.12.04						
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GSN		XQ-8S	Product Name	XQ-POWER 8.4V45kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS8145DC	Material	CNC all-metal case				
Control Specification													
Test display diagram					EMPHASIS								
Photos1 					NO.	Item	Specification						
					5-1	Command signal	PWM / CAN 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					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)							
													
					Make table					CHECK	APPROVE		
					MR.ZHONG					MR.LIU	Manager.ZHOU		
					Reference opinions of all departments: Agree								