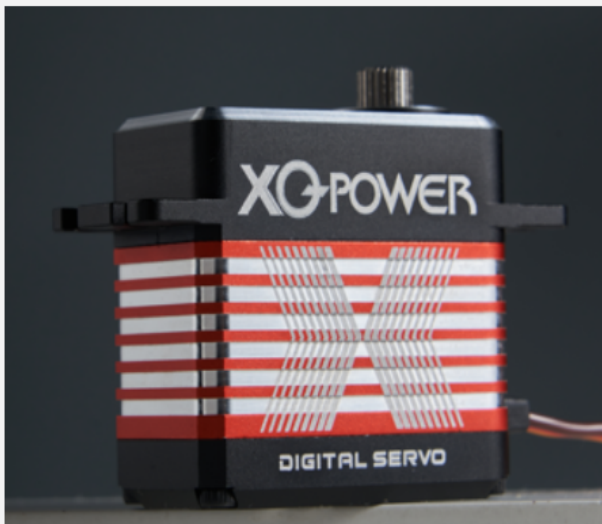
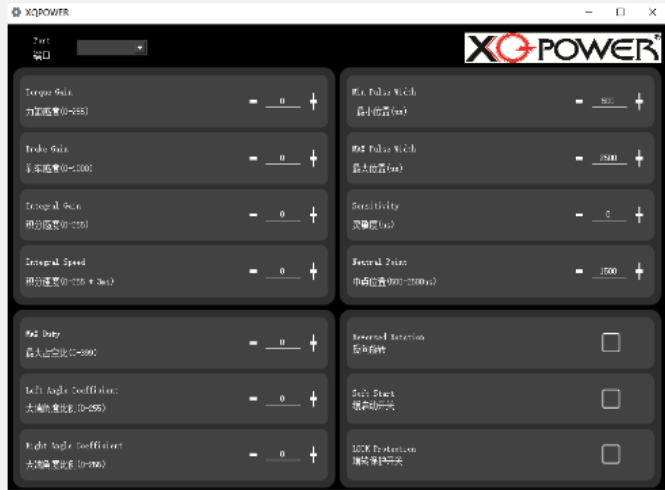


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2025.07.01															
						VER		X8_8185.01															
						Page.		P.1															
						Prepare Date		20250701															
XQPOWER						Product Inspection Specification																	
GSN		XQ-8S		Product Name		XQ-POWER 16.8V85kg-cm Hight Voltage Brushless Servo		Model		XQ-BLS8185D		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*44 mm													
3-2								Servo Weight		92g													
3-3								Servo Gear		Stainless Steel													
3-4								Angle of limit		No Limit													
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													
3-11								Splash water resistance		Yes													
The Drawings								Electrical Specification															
Photos1								NO.								Test Operating Voltage Range							
								4-1								Work Voltage		8.4 V					
								4-2								No load speed		0.17 sec/60°					
								4-3								Runnig current (no load)		320 mA					
								4-4								Peak stall torque		42 kg.cm					
								4-5								Stall current		4.0 A					
																Work Voltage		12.0 V					
								4-6								No load speed		0.14 sec/60°					
								4-7								Runnig current (no load)		370 mA					
								4-8								Peak stall torque		60 kg.cm					
								4-9								Stall current		5 A					
																Work Voltage		16.8 V					
								4-10								No load speed		0.11 sec/60°					
								4-11								Runnig current (no load)		440 mA					
								4-12								Peak stall torque		85 kg.cm					
4-13								Stall current		6.0 A													
Photos2								Make table		CHECK		APPROVE											
								MR.ZHONG		MR.LIU		Manager.ZHOU											

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2025.07.01		
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						Prepare Date		20250701		
GSN		XQ-8S	Product Name	XQ-POWER 16.8V85kg-cm High Voltage Brushless Servo		Model	XQ-BLS8185D	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item	Specification			
					5-1	Command signal	PWM			
					5-2	Amplifier type	Digital Controller			
					5-3	Pulse width range	800~2200 μsec customisable			
					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 (when1000~2000 μsec) customisable			
					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						