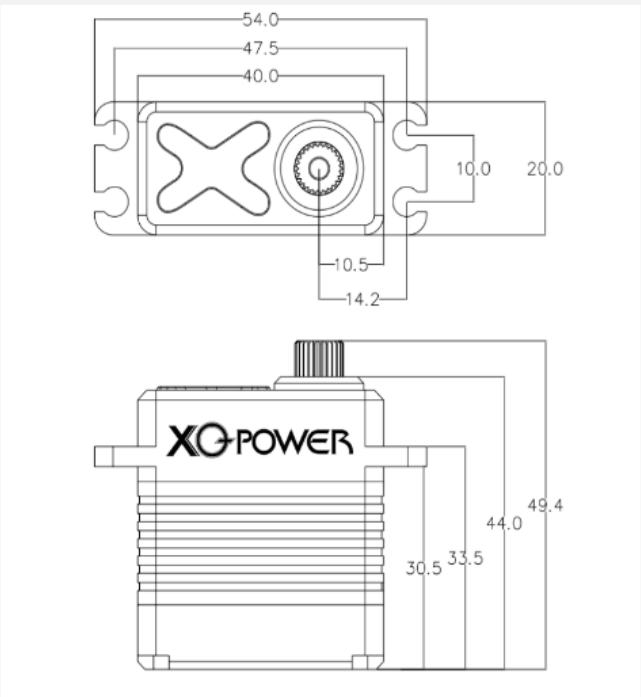
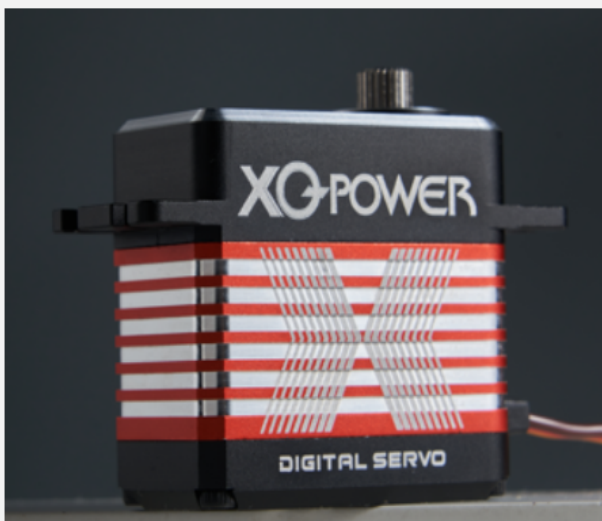
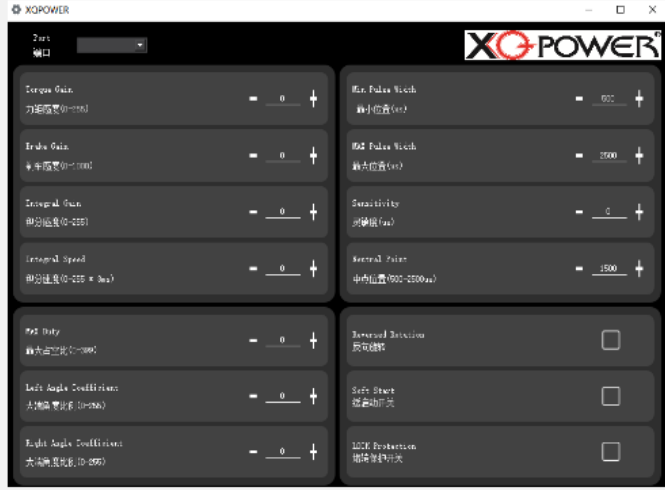


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.2025.07.01		
						VER		X8_8185.01		
						Page.		P.1		
						Prepare Date		20250701		
XQPOWER						Product Inspection Specification				
GSN		XQ-8S	Product Name	XQ-POWER 16.8V85kg-cm Hight Voltage Brushless Servo		Model	XQ-RS8185D	Material	CNC 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 Photos1 						Electrical Specification				
						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		
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		
XQPOWER						Product Inspection Specification				
GSN		XQ-8S	Product Name	XQ-POWER 16.8V85kg-cm High Voltage Brushless Servo		Model	XQ-RS8185D	Material	CNC all-metal case	
Control Specification										
Test display diagram					EMPHASIS					
Photos1 					NO.	Item		Specification		
					5-1	Command signal		PWM / 485		
					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	