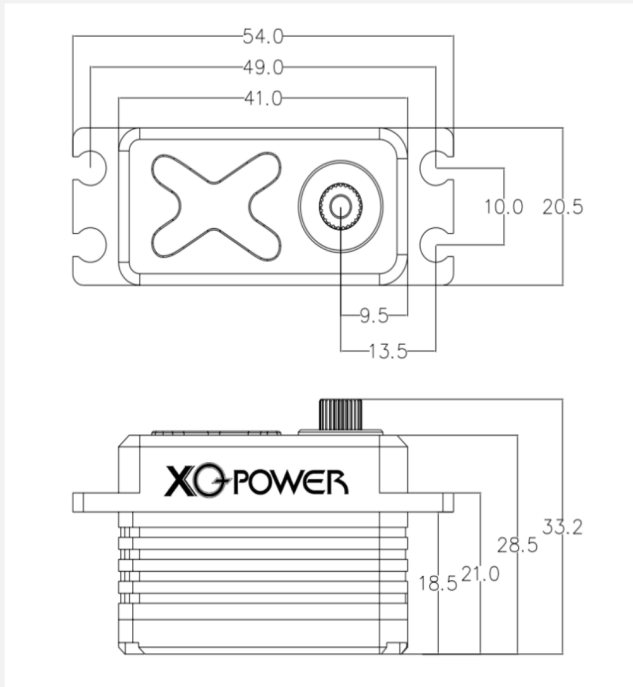


Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.202501.3.02								
					VER		X3_348.05								
					Page.		P.1								
					Prepare Date		20250105								
XQPOWER					Product Inspection Specification										
GSN		XQ-3S		Product Name		XQ-POWER 8.4V48kg-cm Hight Voltage Brushless Servo		Model		XQ-BLS348TTL		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		41*20.5*28.5 mm			
								3-2		Servo Weight		69g			
								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-φ5.96mm			
								3-7		Servo arm		Plastic, POM			
								3-8		Case Material		Aluminium CNC			
								3-9		Servo line		300mm 3P			
The Drawings								3-10		Built-in motor		Brushless motor			
Photos1 								3-11		Splash water resistance		Yes			
								Electrical Specification							
								NO.		Test Operating Voltage Range					
								4-1		Work Voltage		6.0 V			
								4-2		No load speed		0.14 sec/60°			
								4-3		Runnig current (no load)		190 mA			
								4-4		Peak stall torque		30 kg.cm			
								4-5		Stall current		3.5 A			
										Work Voltage		7.4 V			
								4-6		No load speed		0.11 sec/60°			
								4-7		Runnig current (no load)		220 mA			
								4-8		Peak stall torque		37 kg.cm			
								4-9		Stall current		4 A			
										Work Voltage		8.4 V			
Photos2 								4-10		No load speed		0.09 sec/60°			
								4-11		Runnig current (no load)		250 mA			
								4-12		Peak stall torque		48 kg.cm			
								4-13		Stall current		5 A			
								Make table		CHECK		APPROVE			
MR.ZHONG		MR.LIU		Manager.ZHOU											

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.202501.3.02						
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GSN		XQ-3S	Product Name	XQ-POWER 8.4V48kg-cm Hight Voltage Brushless Servo		Model	XQ-BLS348TTL	Material	CNC all-metal case					
Control Specification														
Test display diagram					EMPHASIS									
Photos1 					NO.	Item		Specification		AQL				
					5-1	Command signal		PWM / 485						
					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° (when 1000~2000 μsec) customizable						
					5-6	Dead band width		2 μsec						
					5-7	Rotating direction		CCW (when1000 ~2000 μsec)						
					Appearance inspection									
					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)								
														
					Make table		CHECK		APPROVE					
					MR.ZHONG		MR.LIU		Manager.ZHOU					
					Reference opinions of all departments: Agree									