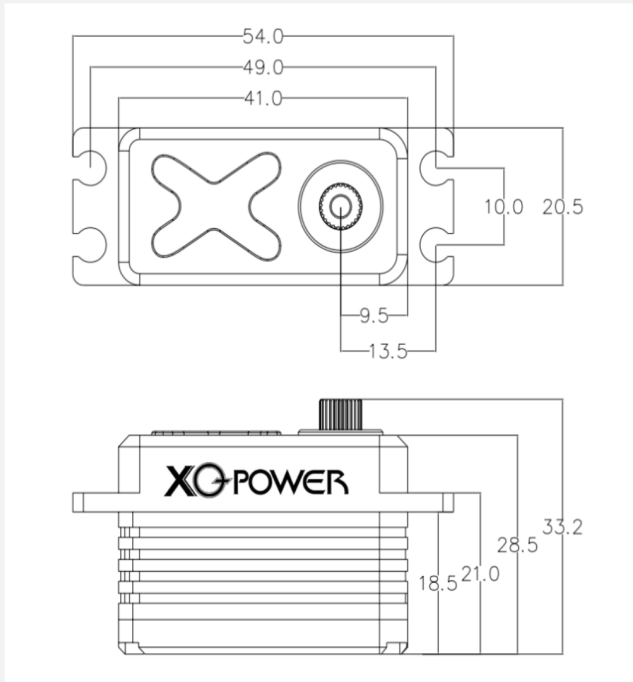


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.202501.3.02				
						VER		X3_348.05				
						Page.		P.1				
						Prepare Date		20250105				
GSN		XQ-3S	Product Name	XQ-POWER 8.4V48kg-cm Hight Voltage Brushless Servo			Model	XQ-BLS348	Material	CNC all-metal case		
Process flow							CNC / industry testing torque					
SIZE OF THE DRAWINGS 							Control Specifications					AQL
							NO.	Standard Test Environment				
							1-1	Temperature range	25℃±5℃			
							1-2	Humidity range	65%±10%			
							NO.	Apply Environmental Condition				
							2-1	Storage Temperature Range	-20℃ ~ 70℃			
							2-2	Operating Temperature Range	-15℃ ~ 65℃			
							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-BLS348	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			
					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)			
					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											
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		