

A280BVLW V2

Control System	Pulse width modulation control		<p style="text-align: center; color: red; font-weight: bold;">Unit: mm</p>
Refresh Rate	333Hz		
Neutral Position	1520 μ S		
Signal Mode	Digital		
Dead band	2 μ Sec		
Operating Voltage	7.4V ~ 16.8V		
Operating Temperature	-30C° ~ +70C°		
Bearing	Eight Ball Bearings		
Mechanical Angle	No Limit		
Size	65.8*30.0*59.0mm		
Net Weight	300g		
Wire	TYU+JST 300mm / 22AWG		
Operating Travel	180° \pm 10°		
Signal Range	500 to 2500 μ Sec		
Stall Torque	152.0 kg-cm (2113 oz-in) @ 10.0V 175.0 kg-cm (2432 oz-in) @ 11.1V 185.0 kg-cm (2571 oz-in) @ 12.0V 210.0 kg-cm (2919 oz-in) @ 14.4V 240.0 kg-cm (3336 oz-in) @ 16.0V 250.0 kg-cm (3475 oz-in) @ 16.8V	Unload Current 500 mA @ 10.0V 550 mA @ 11.1V 600 mA @ 12.0V 700 mA @ 14.4V 750 mA @ 16.0V 800 mA @ 16.8V	
Operating Speed	0.210 sec/ 60° @ 10.0V 0.190 sec/60° @ 11.1V 0.170 sec/60° @ 12.0V 0.140 sec/60° @ 14.4V 0.130 sec/60° @ 16.0V 0.126 sec/60° @ 16.8V	Loading Current 7000 mA @ 10.0V 7500 mA @ 11.1V 8000 mA @ 12.0V 9000 mA @ 14.4V 9600 mA @ 16.0V 10000 mA @ 16.8V	
Direction	<input checked="" type="checkbox"/> CCW <input type="checkbox"/> CW		
Waterproof Level	<input type="checkbox"/> IP65 <input checked="" type="checkbox"/> IP67		
Angle Sensor	<input type="checkbox"/> Potentiometer <input checked="" type="checkbox"/> Magnet Angle Sensor		
Motor Type	<input checked="" type="checkbox"/> Brushless <input type="checkbox"/> Coreless <input type="checkbox"/> DC		
Motor Drive	<input checked="" type="checkbox"/> FET Drive <input type="checkbox"/> IC Drive <input type="checkbox"/> Transistor Drive		
Programmable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Gear Material	<input checked="" type="checkbox"/> Strength Steel <input type="checkbox"/> Titanium <input type="checkbox"/> Copper <input type="checkbox"/> Plastic		
Horn Gear Spline	<input type="checkbox"/> 25T- ϕ 5.92mm <input type="checkbox"/> 25T- ϕ 4.94mm <input checked="" type="checkbox"/> Other 15T- ϕ 7.8mm		
Case Material	<input checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Aluminum + Plastic <input type="checkbox"/> Plastic		
Bearing Material	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic		
Horn Accessories	<input checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Plastic		
Wire Color	Battery Negative: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Brown		



PRODUCT SPECIFICATION

Battery Positive:	<input type="checkbox"/> Black	<input checked="" type="checkbox"/> Red	
Signal Negative:	<input checked="" type="checkbox"/> Black	<input type="checkbox"/> Brown	
Signal:	<input type="checkbox"/> Grey	<input checked="" type="checkbox"/> White	<input type="checkbox"/> Orange

