

## A280BVLW V2

<b>Control System</b>	Pulse width modulation control		
<b>Refresh Rate</b>	333Hz		
<b>Neutral Position</b>	1520µS		
<b>Signal Mode</b>	Digital		
<b>Dead band</b>	2 µSec		
<b>Operating Voltage</b>	7.4V ~ 16.8V		
<b>Operating Temperature</b>	-30C° ~ +70C°		
<b>Bearing</b>	8BB		
<b>Mechanical Angle</b>	No Limit		
<b>Size</b>	65.8*30.0*59.0mm		
<b>Net Weight</b>	300g		
<b>Wire</b>	TYU+JST 300mm / 22AWG		
<b>Operating Travel</b>	180°±10°		
<b>Signal Range</b>	500 to 2500 µSec		
<b>Stall Torque</b>	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	<b>Unload Current</b> 500 mA @ 10.0V 550 mA @ 11.1V 600 mA @ 12.0V 700 mA @ 14.4V 750 mA @ 16.0V 800 mA @ 16.8V	
<b>Operating Speed</b>	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	<b>Loading Current</b> 7000 mA @ 10.0V 7500 mA @ 11.1V 8000 mA @ 12.0V 9000 mA @ 14.4V 9600 mA @ 16.0V 10000 mA @ 16.8V	
<b>Direction</b>	<input checked="" type="checkbox"/> CCW <input type="checkbox"/> CW		
<b>Waterproof Level</b>	<input type="checkbox"/> IP65 <input checked="" type="checkbox"/> IP67		
<b>Angle Sensor</b>	<input type="checkbox"/> Potentiometer <input checked="" type="checkbox"/> Magnet Angle Sensor		
<b>Motor Type</b>	<input checked="" type="checkbox"/> Brushless <input type="checkbox"/> Coreless <input type="checkbox"/> DC		
<b>Motor Drive</b>	<input checked="" type="checkbox"/> FET Drive <input type="checkbox"/> IC Drive <input type="checkbox"/> Transistor Drive		
<b>Programmable</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Gear Material</b>	<input checked="" type="checkbox"/> Strength Steel <input type="checkbox"/> Titanium <input type="checkbox"/> Copper <input type="checkbox"/> Plastic		
<b>Horn Gear Spline</b>	<input type="checkbox"/> 25T-φ5.92mm <input type="checkbox"/> 25T-φ4.94mm <input checked="" type="checkbox"/> Other 15T-φ7.8mm		
<b>Case Material</b>	<input checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Aluminum + Plastic <input type="checkbox"/> Plastic		
<b>Bearing Material</b>	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic		
<b>Horn Accessories</b>	<input checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Plastic		
<b>Wire Color</b>	Battery Negative: <input checked="" type="checkbox"/> Black                      Battery Positive: <input checked="" type="checkbox"/> Red Signal Negative: <input checked="" type="checkbox"/> Black                      Signal: <input checked="" type="checkbox"/> White		

Unit: mm