



PLATINUM ACCESS SYSTEMS

DC Brushless Motor

UP TO 10X LONGER MOTOR LIFE , UP TO 25% MORE POWER

- Super quiet operation
- Constant speed in up/down hill operation
- Self sync for primary/secondary gate installation
- Battery backup included and solar operation ready
- Extremely rugged, plated and powder coated chassis
- 150,000 continuous cycling tested (equivalent 15 years operation)
- Very attractive and competitive prices
- Motor warranty 10 years for residential

Slider With Brushless DC Motor

3000lbs



BLSL3060

Gate Capacity: 3000lbs/60ft



2200lbs



BLSL2250

Gate Capacity: 2200lbs/50ft



800lbs



BLSL840

Gate Capacity: 800lbs/40ft



Swinger With Brushless DC Motor

2200lbs



BLSW2212

Gate Capacity: 2200lbs/12ft
1300lbs/20ft



1000lbs



BLSW1016

Gate Capacity: 1000lbs/16ft



800lbs



BLSW814

Gate Capacity: 800lbs/14ft



DC Motor

- Self sync for primary/secondary gate installation
- Battery backup included and solar operation ready
- Very attractive and competitive prices
- Proven reliable machines
- 3.5 years warranty

Actuator

700lbs ACTP715

Gate Capacity: 700lbs/15ft



Control Box

Column Mount

700lbs CM-712

Gate Capacity: 700lbs/12ft





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Comparison of AC, DC Brushed and DC Brushless Motor Gate Operators

	Gate Operator with			Comments
	AC Motor	DC Brushed Motor	DC Brushless Motor	
Efficiency	Low	Medium (60% to 70%)	High (Up to 90%)	DC brushless motor is the most efficient motor in industry. By driving the same gate, DC brushless motor operators use less electrical power than the others.
Life Expectancy	Long	Medium	Long	Brushes will wear out in DC brushed motor. Brushed DC motor typical life expectancy is 2,000 to 5,000 hours. AC Motor and DC brushless motor typical life expectancy is 10,000 to 20,000 hours.
Service and Maintenance	Medium	Medium	Low to None	DC brushed motor needs maintenance on brushes. The brushes need to be replaced once they have worn out. The starting capacitor on AC motor needs to be replaced once it has dried out. DC brushless motor has no brush or capacitor, and requires little to no maintenance.
AC Power Outage Backup Capability	Low	High	High	Backup running cycles : AC operator < 3 (with additional DC backup module), DC brushed motor operator > 80 (battery included). DC brushless motor operator > 100 (battery included).
Solar Power Driving Capability	None	High	High	With solar panel and built-in battery backup, DC operators can work at non AC power site.
Starting Drive Torque	Low	Medium	High	DC motors are self starting with even torque. For the same wattage motor, the DC brushless motor can drive heavier gate than the other two types of motor.
Heat Dissipation	Poor	Better	Best	DC brushless motor has superior thermal characteristics and results in better heat dissipation due to the winding on the stator.
Electromagnetic Noise Level	High	Medium	Low	DC brushless motor operator has the least interference to remote radio receiver in operator.
Speed Control Capability	Low	Medium	High	AC operator has no soft start/stop features due to the difficulties of speed control. It is much easier to control the speed of DC motor even in a wide range. With phase detectors built in the motor, DC brushless motor has better speed control capability than DC brushed motor.