



VEHICULAR AC & DC

SWING GATE OPERATORS



Residential • Apartment/College Residence Halls • Gated Communities
Mixed Use Buildings • Commercial/Industrial • Traffic Control • Self Storage

ACCESS CONTROL SOLUTIONS

6050 / 6100 / 6300

For gates up to 22 ft (6.7m) /
800 lbs (362kg)

SMOOTH
OPERATION
SAFETY
LONG
LASTING



6500 / 6550

For gates up to 25 ft (7.6m) /
2000 lbs (907kg)

STRENGTH
RELIABILITY
QUIET
OPERATION



Model 6500

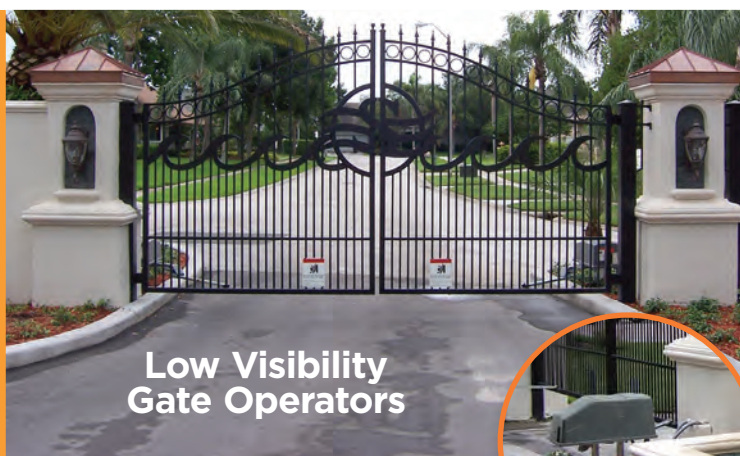
DC Swing Gate Operator Battery Back-up and Solar Power

The newest DKS DC Swing Gate Operator is perfect where backup power is critical, as they keep running when AC power has been lost. The solar power version is ideal in applications where AC power is unavailable and allows you to add your own solar system for power, or you can choose the DKS solar kit.

This swing gate operator offers convenience, reliability and safe operation in a small, compact design and is ideally suited for residential or commercial applications.



Heavy-duty gearbox and
Quadra Drive DC motor



Low Visibility Gate Operators

Low visibility gate operators for
a cleaner looking install

The unique design of the 6000 series operators allows the gate arm to be attached to the bottom rail of the gate. This eliminates the need for any brackets to be welded to the face of the gate and creates an aesthetically pleasing installation.

This is excellent for home gates as it allows for a more aesthetically pleasing attachment to the gate while still delivering reliable, safe operation.

And they can be either pad or post mounted without costly and time consuming field modifications.

SWING GATE OPERATORS



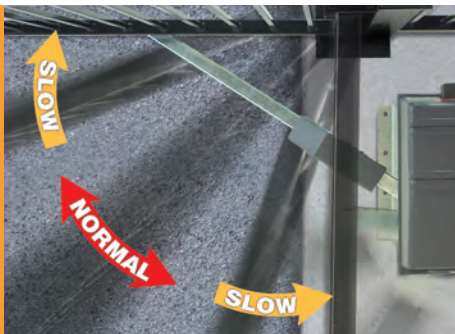
Model 6550

6524 / For gates up to 16 ft (4.8m) / 800 lbs (362kg)

**BATTERY BACK-UP
AC / DC
AND SOLAR
POWER
OPERATION**



Model 6524



SMOOTH OPERATION

Slow start / slow stop.
No slamming when
gate closes.



SPLIT CASE

6500 / 6550 (6550 shown)
Two-piece split case provides easy
installation and maintenance.
Never pull arm off to access interior.



GATE TRACKER™

Provides operator data to
companion access controller
(DKS 1833 / 1835 / 1837 / 1838)

SAFETY

Two-stage, self monitoring inherent
protection system. 6000 series operators
automatically release pressure on gate.
Emergency friendly fail-safe design.



DC/SOLAR 6524

Operator is 24 Volt DC and includes built-in
battery backup 15/230 VAC (switch selectable)
or 24 VDC Solar Power. Quadra Drive 1/2 HP
heavy-duty DC motor, and heavy-duty gearbox.
Solar power ready, with 0.0 Amp SBPD Circuit.



MOUNTING

Can be installed directly on a concrete pad,
or post mounted to meet any installation
requirements (6050, 6100, 6300).
6500 model operators are mounted to a
concrete mounting pad.



SPECIFICATIONS

ALL MODELS

Electrical

- Auto-close timer (1-23 seconds)
- Microprocessor control board
- Simple connection for secondary operator in bi-parting gate systems
- Built-in power and alarm reset switches
- Selectable shadow / reverse loop function
- Magnetic lock power
- Ports for plug-in open and reverse loop detectors (DKS plug-in detectors only)
- 115 VAC convenience outlets for accessory transformers (not available on the solar powered 6524)
- Gate Tracker reporting output provides operator data to access control system (DKS 1833, 1835, 1837 or 1838 only)

Mechanical

- Quiet operation and weather proof design
- Primary Reduction is provided by a pulley / belt driving a worm gear reduction system
- Rotates the gate 90° in approximately:
6050 / 6100: 12-14 seconds
6300: 16-18 seconds
6500: 14-16 seconds
6550: 16-18 seconds
6524: 12-14 seconds
- Two-piece articulating arm for smooth gate operation
- Keyed access is provided to release arm for manual gate operation in the event of a power outage
- Overlap feature for bi-parting dual gates

6050 / 6100 / 6300 MODELS

- Three models to choose from: 6050 and 6100 at 1/2 horsepower, and 6300 at 1/2 and 1 horsepower
- Automatic self-setting limits mean no limit switch adjustments – ever
- Safety – built-in mechanical and electronic reverse system
- Pad or Post Mount

6500 MODELS

- Two 6500 models to choose from: 1/2 and 1 horsepower.
- Split polypropylene housing allows easy access without having to remove the gate arm
- Easy to adjust electronic magnetic limits eliminate old style mechanical switches that can wear out, break or fail
- Unique breakaway hub design prevents gear box damage if the gate is struck
- Steel frame for strength and durability
- Easy to use manual release system

6550 / 6555 MODELS

- Adjustable, no maintenance magnetic limits.
- Secondary unit includes 50 Ft cable.
- Easy to adjust electronic magnetic limits eliminate old style mechanical switches that can wear out, break or fail

6524 MODELS

- Operator is 24 Volt DC and includes built-in battery backup
- 115/230 VAC (switch selectable) or 24 VDC Solar Power
- 1/2 HP Quadra Drive Heavy-duty DC motor
- Solar power ready with 0.0 Amp SBPD Circuit (solar power only)
- Includes set of 7.2 Ah batteries. Solar kit includes set of 18Ah batteries and 10 Watt, 24 VDC solar panel
- With back-up power, up to 150 gate cycles with optional 18Ah batteries*

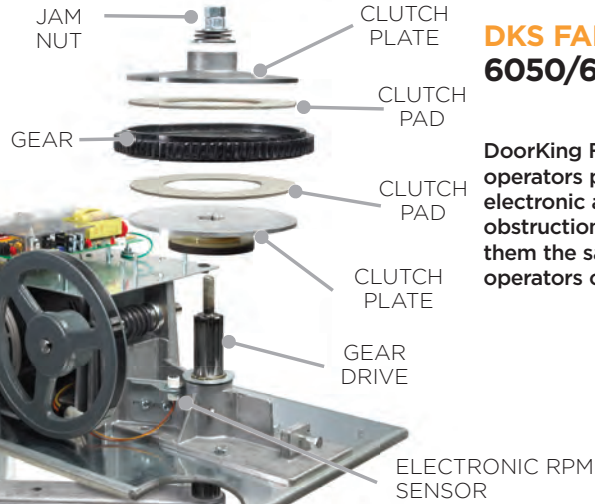
* 6524 battery back up cycles assumes gate swings in a level arc, and is in good condition with properly adjusted hardware. Calculation based on a 16 foot gate weighing 800 Lbs. Other external factors (temperature, charge state of batteries, gate weight, gate length, etc.) will affect the performance of the gate operator and may reduce the number of cycles

 GATE WEIGHT MAXIMUM*		6050	6100	6300		6500		6524		6550
		400 lb/181 kg	500 lb/226 kg	700 lb/318 kg	700 lb/318 kg		800 lb/363 kg		2000 lb/907 kg	
800 lb/363 kg	800 lb/362 kg									
 GATE LENGTH MAXIMUM*		10 Ft/ 3.0 m	14 ft / 4.2 m	18 ft / 5.45 m	18 ft / 5.45 m		16 ft / 4.88 m		25 ft / 7.62 m	
				22 ft / 6.7 m	22 ft / 6.7 m		16 ft / 4.88 m			
 HP		1/2 HP	1/2 HP	1/2 HP	1 HP	1/2 HP	1 HP	1/2 HP	1/2 HP	1 HP
 FAIL-SAFE CLUTCH		✓	✓	✓		-		-		-
 SOFT START/STOP (MECHANICAL)		✓	✓	✓		✓		✓		✓
 LOOP DETECTOR PORTS		✓	✓	✓		✓		✓		✓
 GATE TRACKER		✓	✓	✓		✓		✓		✓
VOLTAGE		115 VAC	115 VAC	115, 208, 230, 460		115, 208, 230, 460		115, 230 VAC		115, 208, 230, 460
								24 VDC (Solar)		230 VAC
	USAGE									
	RES	✓	✓	✓		✓		✓		
	COM			✓		✓		✓		✓
	IND			✓		✓		✓		✓

* Assumes gate to be in good condition and swinging on a level surface.

AC & DC POWERED GATE OPERATORS

SAFETY AND RELIABILITY SYSTEMS



DKS FAIL-SAFE: 6050/6100/6300

DoorKing Fail-Safe gate operators provide both electronic and mechanical obstruction sensing, making them the safest gate operators on the market.



DKS TAKES SAFETY A FEW STEPS FURTHER:

All DoorKing swing gate operators are compliant with the U.L. 325 standard for safety. DKS gate operators will provide a safe operating environment when installed correctly with the required entrapment protection devices.

WHOLE SYSTEM POWER BACKUP

The Model 1000 power inverter provides backup power for a complete gated access control system (phone system, controller, accessories, keypads, etc.) when primary AC power fails by converting 12 volt DC power to 120 volt AC power. Maintains a completely operable access control system during power outages and is ideal for any application where continued system operation is critical.



RELIABILITY YOU CAN TRUST

The 6500 series has a solid steel frame and belt driven gear box making this operator one of the quietest on the market today. The electronic magnetic limits will never wear out or break and they are easily adjusted. Unique breakaway hub design prevents gear box damage if the gate is struck. Two-piece Polypropylene housing makes installation and adjustments easy.



ACCESSORIES:

ENTRAPMENT PREVENTION DEVICES



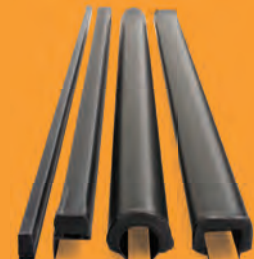
Photo-eyes

- Photo-reflective beams have a scan distance up to 40 ft. (12m)
- Includes reflector and mounting bracket
- Thru-beam photocells have a scan distance up to 100 ft. (30.48m)
- Separate sender and receiver
- Hooded metal enclosure
- Infrared beam



Reversing edges

- A variety of edge styles for different gates
- Mounting channels included
- T2 (resistive) termination
- Complies with monitored external entrapment protection as per UL325



Uphill Counter-balance & Ball Joint Pivot Assemblies

Helpful to balance gates that swing in an uneven plane.



Loop Detectors

Plug-in detectors (DKS only) and hard wired detectors. Single and dual channel. Pre-fabricated loops available or form your own loops.



Swing Gate Accessories

Flange bearing hinge, sealed bearing hinge, base plates, bi-parting connection cable, heater kits, accessory transformers, and other accessories for gate operation and installation.



Lock Boxes

Provide Fire Department and Postal Carrier access through automated gates or doors for emergency or postal personnel.



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DOORKING® INC.

Access Control Solutions since 1948

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