



# 6524 DC VEHICULAR SWING GATE OPERATOR

• RESIDENTIAL • COMMERCIAL



- 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
- Split polyurethane 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
- Heavy-duty steel frame
- 0.0 Amp SBPD Circuit (solar power only)
- Solar power ready
- 5-year limited warranty



**simple**  
manual release



**steel frame**  
for strength and durability



**breakaway**  
hub prevents gearbox damage



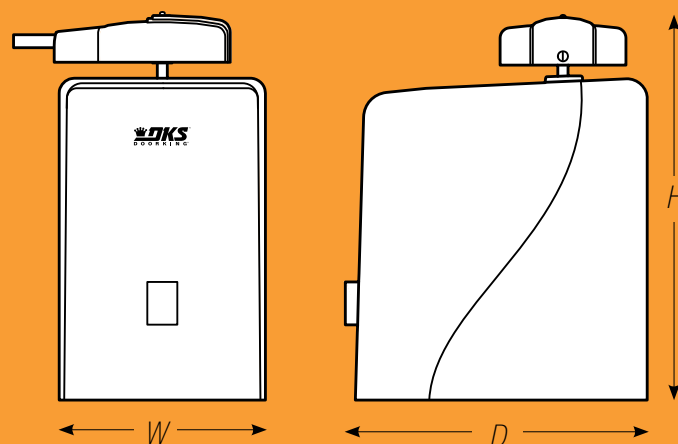
**dc motor and battery backup**  
for continued gate operation if AC power is lost

ACCESS CONTROL **SOLUTIONS**

# 6524 VEHICULAR SWING GATE OPERATOR

## 6524 1/2 HP Quadra Drive Motor

20.5" W x 38.5" H x 30" D (52 cm W x 97.8 cm H x 76.2 cm D)



	CLASS OF OPERATION	MAX GATE LENGTH *	MAX GATE WEIGHT *	MOTOR	INPUT	MAXIMUM CYCLES
<b>6524-080</b>	I, II, III, IV	16 Ft (4.87 m)	800 Lbs. (362.8 kg)	1/2HP Quadra Drive DC Motor	115 / 230 VAC 1.8 A / 0.9 A	Continuous with AC source power 40 with 7.2 Ah backup battery power <sup>1,2</sup> 150 with 18 Ah backup battery power <sup>1,2</sup>
<b>6524-081</b> (requires solar power input)	I, II, III, IV	16 Ft (4.87 m)	800 Lbs. (362.8 kg)	1/2HP Quadra Drive DC Motor	24 VDC 8.5 A	150+ <sup>1,2</sup> with DK solar kit, unknown with systems / batteries provided by others

<sup>1</sup> Assumes gate swings in a level arc, in good condition with properly adjusted hardware.

<sup>2</sup> Assumes 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 shown.

## Technical Features

### Mechanical

Primary Reduction is provided by a pulley / belt driving a 60:1 worm gear reduction system running in a continuous oil bath

The 6524 rotates the gate 90° in approximately 12-14 seconds

Operator mechanics are mounted on a steel frame plated for corrosion resistance

Two-piece articulating arm mechanical slow start / slow stop function.

Mounting: Operator is mounted to a concrete mounting pad

Keyed access is provided to release arm for manual gate operation in the event of a power outage

Split polyurethane housing simplifies installation and maintenance.  
No need to remove the gate arm

Unique breakaway hub helps to protect the gear box if the gate is rammed

### Options

18 Ah batteries (AC powered operator only)

Solar Kit (Includes two 18 Ah batteries and 10 Watt, 24 VDC solar panel)

### Electrical

Easy adjustable electronic magnetic limit switches

Auto-close timer 1-30 seconds

Gate overlap feature for dual (bi-parting) gate operation

Selectable shadow/reverse loop function

DC Power Shut-Off switch

Battery protection circuit

Ports for plug-in open and reverse loop detectors – DKS detectors only

Gate Tracker reporting output provides operator data to access control system (DKS 1833, 1835, 1837 or 1838 only)

#### AC Powered Operator Only

115 VAC Convenience outlets

AC Power Shut-Off switch

Magnetic lock power

#### DC Powered Operator Only

0.0 Amp SBPD<sup>PatPend</sup> Circuit

### Miscellaneous

Environmental: -10°F to 115°F (23°C to 46°C)

Thermostatically controlled heater kit required for operation below freezing temperatures to prevent batteries from freezing. Heater kit can only be used with AC powered operators.

Shipping weight approximately 175-225 Lbs (79.1-101.8 kg)  
Depending on model and options selected

Operator requires Type B1 or Type B2 entrapment protection devices with 10K resistive termination, otherwise the operator will not function



Access Control Solutions since 1948

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