

# PARKING

## WedgeSmart™



Wedge Barrier Arm Operator

## Protect your vehicles from theft car rental facilities, valet parking and more

- Protect your assets - Crash-engineered FS30 stops a full size sedan traveling at 30 mph
- Surface mount – Easy, quick installation
- Engineered for millions of cycles
- Highly visible integrated lighted barrier arm and wedge
- UPS backup and Solar ready. Operates for over 150 cycles after AC power loss.\*
- Easy to configure. Program operation to site specific requirements
- Straight or articulated arm
- When hit, arm stops, protecting pedestrians, facility, operator/arm
- Four lane widths: 9, 10, 12, 14 ft



**WedgeSmart DC**  
Lane widths: 9, 10, 12, 14 ft  
(2.7, 3, 3.7, 4.3 m)  
5 seconds up / 5 seconds down



\* Actual UPS cycles depend on accessory power draw, frequency of cycles, battery health, ambient temperature and other conditions.



Rental Facility



Rental Facility



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 **HySecurity**®  
a company of TheNiceGroup

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Manufacturer of ultra-reliable high security, industrial, commercial, residential, parking and crash gate operators and accessories.

# Parking and Vehicle Theft Protection


**HySecurity operators** secure the world's critical infrastructure and key assets where ultimate reliability is vital. **WedgeSmart DC** delivers that same uncompromising quality to commercial customers, where ease of use, consistent operation, low maintenance, long life and high reliability is expected.

**HySecurity strives for simplicity.** Easy to install. Easy to configure. Easy to maintain. Easy to troubleshoot and repair. Your WedgeSmart DC barrier arm is built to last.



Parking Wedge Operator

## WedgeSmart DC™ Models

<b>Standard</b>	<b>WedgeSmart DC</b>
<b>Solar</b> 	<b>WedgeSmart DCS</b>
<b>Crash-Engineered</b>	ASTM F2656 SC40: Small Car, 2,430 lb @ 40 mph (1.1 MT @ 64 km/h) ASTM F2656 FS30: Full Size Sedan, 4,630 lb @ 30 mph (2.1 MT @ 48 km/h)
<b>Lane Widths</b>	9, 10, 12, 14 ft (2.7, 3, 3.7, 4.3 m)
<b>Open/Close Time</b>	5 seconds up / 5 seconds down
<b>Arm Full Open Angle</b>	Arm full open angle: Adjustable 90° ± 10°
<b>Wedge Design</b>	45° raised position; 21 inch plate height for 9, 10 ft lane width; 18 inch plate height for 12, 14 ft lane width; manual locking mechanism and rotary crank for manual operation
<b>Handing</b>	Left or right handing available
<b>Arm Design</b>	Aluminum arm with lights, HyProtect™ breakaway arm mount & kill switch, 9, 10 ft (2.7, 3 m)
	Articulating aluminum arm, HyProtect™ breakaway arm mount & kill switch; 7 ft clear/8 ft extended (2.1 m/2.4m) 8 ft clear/10 ft extended (2.4 m/3 m) 9 ft clear/11 ft extended (2.7 m/3.4 m) Lights optional.
<b>Duty Cycle</b>	Continuous
<b>Uninterrupted Power Supply*</b>	Two 12V, 50Ah batteries, Operates for over 150 cycles after AC power loss.* Field configurable to fail open or secure when batteries deplete.
<b>Voltage Input</b>	115VAC, 3A, 60/50 Hz, 208-230VAC, 1.5A, 60/50 Hz Solar: 24VDC solar panels**
<b>Accessory Power</b>	12VDC and 24VDC 1A each
<b>Temperature Rating</b>	-13° to 158° F (-25° to 70° C)
<b>Communication</b>	USB, RS-232, RS-485, Ethernet & fiber option using HyNet™ Gateway accessory
<b>User Controls</b>	Smart DC Controller with 70+ configurable settings, 32 character LCD display and 5 tact buttons or a PC using S.T.A.R.T. software.
<b>Relays</b>	Two configurable user relays: 30VDC, 3A solid state and 250VAC, 10A electromechanical. Optional Hy8Relay™ for 8 additional relay outputs
<b>Finish</b>	Zinc plated with white powder coating
<b>Foundation</b>	To achieve ASTM F2656 rating, 3000 psi flat concrete required. 10 inch min. at anchor strap area. 6 inch min. all other areas. Area under chassis and wedge plate must be flat within 1/4 inch over entire length.
<b>Electrical Certification</b>	Control panel certified to UL 508A by ETL
<b>Warranty</b>	2 years



### OPTIONAL ACCESSORIES:

- Hy8Relay™ - extended relay module provides eight additional programmable user relays
- Hy5A intelligent vehicle loop detectors
- HyNet™ Gateway for communicating gate system and accessory status in real time via Ethernet/fiber
- Photo eye
- Second traffic light for bi-directional lanes
- Lifting strap and eyebolt kit available to assist installation

\* Actual UPS cycles depend on accessory power draw, frequency of cycles, battery health, ambient temperature and other conditions

\*\* Solar panels not supplied by HySecurity

**SYSTEM DESIGN SUPPORT:** Contact HySecurity for CAD drawings, tech manuals, help with custom site requirements or other specifications support. Download operator specifications online at [www.hysecurity.com](http://www.hysecurity.com) or call to speak with a HySecurity representative today.

**VISIT [WWW.HYSECURITY.COM](http://WWW.HYSECURITY.COM)** for specifications, installation manuals and wiring diagrams, image gallery, email subscriptions and much more.

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