

# SwingSmart™ DC

## Dependable swing gate operator with battery backup

Pad mount swing gate operator for commercial and residential installations. Features adaptive obstruction detection and torque limiting taper clamp for safe and reliable service. Excellent for solar applications.



### Features:



**Weight and length limit:**  
Move gate leaf up to 1,300 lbs.



**SmartSync™:**  
Synchronizes dual gates automatically, with ease.



**UPS:**  
Keeps gates moving after power loss up to 300 cycles with standard batteries and 1,200 cycles with extended batteries.



**Programmable:**  
Field programmable to specific site requirements.



**Durable:**  
Patented Taper Clamp provides adjustable protection from high winds and gate strikes.



**Battery:**  
Intelligent charging system monitors battery condition to maximize battery life.



**Troubleshooting:**  
Easy system troubleshooting with onboard event log.



**Adjustable:**  
Independent, field-adjustable open and close speeds.



**Made in USA:**  
Designed, tested and built within USA from globally sourced materials.



# SwingSmart™ DC

**Dependable swing gate operator with battery backup**



## Technical Specifications

Model	SwingSmart DC 20	SwingSmart DCS 20 Solar
Single or Twin	Single leaf	
Duty Cycle	Continuous	100 cycles/day*
Drive	Electromechanical	
Open/Close Time	Open/Close speed set independently. Adjustable 10 to 15 seconds.	
Gate Length Max.	20 ft (6 m) each leaf	
Gate Weight Max.	1,300 lb (590 kg) for 12 ft (4 m) leaf; 800 lb (363 kg) for a 16 ft (5 m) leaf; 600 lb (272 kg) for a 20 ft (6 m) leaf	
UPS Battery Backup Cycles	Field configurable to fail open or secure if batteries deplete. Standard battery backup cycles: Two 8Ah batteries. Up to 300 cycles after AC power loss. Extended battery backup cycles: Two 50Ah batteries. Up to 1,200 cycles after AC power loss.*	
Temperature Rating	-13° to 158° F (-25° to 70° C)	
Operating Voltage	24VDC	
Input Voltage	115V or 208-230V 50/60Hz	24VDC solar panels - 40W min panel (Solar panels sold separately)
Accessory Power	12VDC and 24VDC 1A each	
Included Accessories	One premium EMX IRB-MON photo eye and two 8Ah batteries for backup power	
Communication	USB, RS-232, RS-485	
User Controls	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.	
Relays	Two configurable user relays: 30VDC, 3A solid state and 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs	
Finish	Zinc plated chassis; polyethylene clam shell cover	
ETL Listed (UL 325)	Usage Class I, II, III, IV	
Cycle Tested	500,000 cycles	
Warranty	5 year (7 year single-family residential) w/product registration	

\* The actual number of gate cycles available from battery depends upon gate resistance to travel, cycle length, battery size, state of charge and health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.



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**Nice/HySecurity is an industry leader of automated gate and perimeter security solutions.**

*The HySecurity brand provides high-quality, ultra-reliable industrial gate operators and crash-rated, Hostile Vehicle Mitigation (HVM) vehicle barriers designed to secure and protect critical infrastructure and facilities worldwide.*



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948109606 Rev-D 05/2023 D0540