

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 leaves up to 1,300 lbs



SmartSync™:
Synchronizes dual gates automatically, with ease



Reliable:
Keep 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



Connected:
Optional HyNet™ enables real-time system security alerts



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



Battery:
Monitor battery conditions and maximize life with the intelligent charging system



Troubleshooting:
Easy system troubleshooting with onboard event log



Adjustable:
Independent, field-adjustable open and close speeds



Made in USA:
Designed, tested and built with global materials



SwingSmart DC

Residential and Commercial Applications



Technical Specifications

Model	SwingSmart DC 20
Solar	SwingSmart DCS 20
Gate Specs	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
Open/Close Time	Open/Close time set independently. Adjustable 10 to 15 seconds.
Duty Cycle	Continuous
Drive	Electromechanical
Horsepower	1/2 hp
UPS Battery Backup Cycles*	Field configurable to fail open or secure when batteries deplete. Standard battery backup gate cycles: Two 12V 8Ah batteries. Up to 300 cycles after AC power loss. Extended battery backup gate cycles: Two 12V 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 Solar: 24 VDC solar panels
Accessory Power	12VDC and 24VDC 1A each
Included Accessories	One Nice EPMAB through-beam photo eye with BlueBUS technology and two 8Ah batteries for backup power
Communication	USB or RS-232, RS-485, Ethernet/fiber using optional HyNet™ Gateway accessory
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.

Optional Accessories - See website for complete list



Hy5B™ Vehicle Detector

Hy8Relay™ Module

HyNet™ Gateway Integration

Photo Eye Kits

Radio Receivers & Transmitters

ASO Edge Sensors



Contact Nice | HySecurity for an operator/parts distributor near you.
phone 253-867-3700 | 800-321-9947
hysecurity.com | sales@hysecurity.com



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