

PSTS & GTS/HTS



The Industrial and Critical Transfer Switches feature 3 different platforms with multiple technology options offering a flexible solution up to 5,000 A to meet your application needs. All platforms are 1½ or 3 cycle rated with some technologies featuring short time ratings to aid in breaker selection and selective coordination, which is essential in mission critical applications. Switches are fully rated 4th pole operating on a common crossbar; this eliminates the typical problems with a 3 pole overlapping neutral design. The service entrance switches are 100 percent rated, and the top, bottom, with side cable entry to ease installation.

Platforms

Standard: Our standard platform is designed for fast transfers. The HTS/GTS series is available as a standard platform and is 1½ cycle rated. The PSTS series is 3 cycle rated to ease breaker selection and coordination. The technologies available with our standard platform include; Contactor and Power Frame Breaker. The Contactor switches are double throw and interlocked with an over center design to ensure safe, positive transfer between power sources. The Power Frame Breaker switches have exceptional 3 cycle and short time withstand and close on ratings along with high speed switching time of <3 cycles to minimize the effect of power disturbances.

Bypass Isolation: Our Bypass Isolation platform has dual ATS capability. It is isolated, with barred compartments for increased safety. The technologies available with our Bypass Isolation platform are also Contactor and Power Frame Breaker. The Contactor switches are rated for full load transfers and include a field-selectable multi-tap transformer panel which permits operation on a wide range of system voltages. Power switching devices are completely interchangeable between ATS and bypass portions.

Service Entrance Rated: Our Service Entrance switch platform integrates automatic power switching with required disconnecting, grounding, and bonding for use as service entrance equipment. Rated for full load transfers in critical operating, emergency, legally required, and optional power systems. Our Service Entrance Rated platform also includes the Power Frame Breaker technology along with the Molded Case Breaker. The Molded Case Breaker is designed with integral overcurrent protection and 100% rated disconnect breaker for unmatched performance, safety, and reliability.

Controllers

Generac Power Systems offers a full line of controllers to fit your every need. From our standard GTS/HTS series to our more advanced ATC-300+ controller and all the way to our top of the line controller, the ATC-900. The ATC-900 is designed, tested, and listed for the most rigorous mission critical applications. Please see our controller sell sheet for more information on our full line of controllers.



Specifications



Platform	GTS/HTS		PSTS		PSTS		PSTS	
	Standard	Contactor	Power Frame Breaker	Contactor	Bypass Isolation	Molded Case Breaker	Service Entrance Rated	
Technology Available	Contactor	Contactor	Power Frame Breaker	Contactor	Power Frame Breaker	Molded Case Breaker	Power Frame Breaker	
Time Duration	1½ Cycle	3 Cycle	30 Cycle	3 Cycle	30 Cycle	3 Cycle	30 Cycle	
Ampere Sizes Available	100-2600	100-1600	1600-5000	100-1200	1600-5000	100-1000	1000-5000	
Phases Available	1 or 3 Phase	3 Phase	3 Phase	3 phase	3 Phase	3 Phase	3 Phase	
Pole Counts Available	2, 3, or 4	2, 3, or 4	3 or 4	3 or 4	3 or 4	2, 3, or 4	3 or 4	
Voltage	208-600V	208-600V	208-600V	208-600V	208-600V	208-600V	208-600V	
Exerciser	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Transition Type	Open with Inphase, Delayed	Open with Inphase, Delayed, Closed	Open with Inphase, Delayed, Closed	Open with Inphase, Delayed, Closed	Open with Inphase, Delayed, Closed	Open and Delayed Transition	Open with Inphase, Delayed, Closed	
WCR when used with any circuit breaker	n/a	10-50 kA	100 kA	30-100 kA	100 kA	65-100 kA	65-100 kA	
WCR when used with specific circuit breakers	14-85 kA	22-65 kA	100 kA	50-100 kA	100 kA	100 kA	100 kA	
WCR when used with current limiting fuses	200 kA	100-200 kA	100-200 kA	100-200 kA	100-200 kA	100-200 kA	100-200 kA	
Withstand 30 cycle rating	n/a	n/a	85 kA	n/a	85 kA	n/a	85 kA	
Enclosures	Nema Type 1, Nema Type 3R, Nema Type 4X, Nema Type 12	Nema Type 1, Nema Type 3R, Nema Type 4X	Nema Type 1, Nema Type 3R, Nema Type 4X	Nema Type 1, Nema Type 3R, Nema Type 4X	Nema Type 1, Nema Type 3R, Nema Type 4X	Nema Type 1, Nema Type 3R, Nema Type 4X	Nema Type 1, Nema Type 3R, Nema Type 4X	
Connectivity (Standard)	Genlink (HTS Only)	Modbus® RTU	Modbus® RTU	Modbus® RTU	Modbus® RTU	Modbus® RTU	Modbus® RTU	
Ethernet	No	Optional	Optional	Optional	Optional	Optional	Optional	
Pretransfer Contacts	Optional	Standard	Standard	Standard	Standard	Standard	Standard	