

Solutions for Mission Critical Facilities



Automatic Transfer Switches

Pioneer's new ATS line is highly suitable for applications on both critical and non-critical loads.

The new product is available in 3 models covering a range of 400-2000A at 65 or 100kAIC (600V) in 3 or 4 pole configurations. Boasting integral overcurrent protection and optional draw out functionality making the switch ideally suited for UL Service Entrance applications thus eliminating the need for additional circuit protection. Draw-out construction also allows quick replacement of the switch with little or no downtime, for ease of maintenance. The source device not feeding the load can easily be removed for inspection, maintenance and testing.

The on-board electronic trip units provides performance curve shaping to facilitate proper system coordination. Optional arc flash maintenance trip units can be provided to meet the requirements of NEC 240.87 (2014) for Arc Energy Reduction. These trip units are designed to reduce the potential hazard from an arc flash during maintenance. Completely enclosed contacts provide additional safety when working with the switch.

Our transfer switches can also be provided in various configurations:

- Manual, open, delayed, closed, and soft loading (active synchronization) transition.
- Service Entrance Manual Transfer Switch in NEMA 3R with Cam-Lok™ Connectors for roll-up generator standby applications.
- Can be integrated (in-house) with metering & distribution switchboard sections, providing a compact space savings arrangement, minimizing contractor installation time and expense.

A Non-Proprietary Controller is the Heart of our System
Pioneer's state of the art non-proprietary, easy to interface, controller with graphic display satisfies a broad range of application requirements, from simple to complex. In addition to normal source monitoring (1 or 3 phases) for under voltage, over voltage, under frequency, over frequency and voltage unbalance, the IntelliATS PWR controller includes; true



2000A Drawout ATS

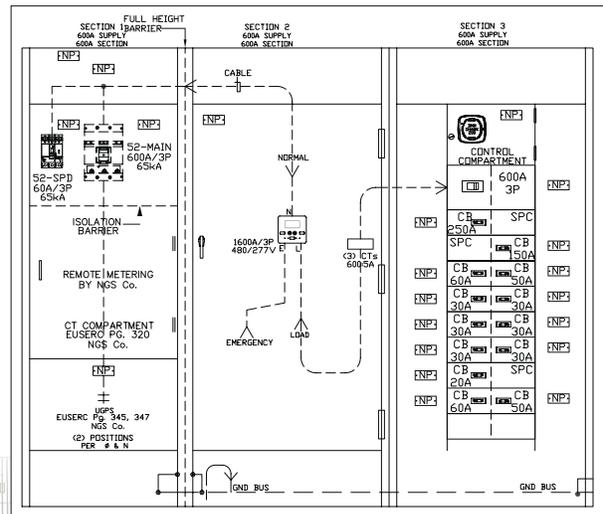
voltage & current RMS measurement, test run scheduler, 3 phase power measurement, detailed RTC event & performance log (119 records), Web Supervisor support and 7 binary inputs & outputs. The IntelliATS PWR controller also supports a wide variety of communication options for connection to the existing Building Management or SCADA system.

- Remote Communication Interface (RS232 including modem support, RS485 or USB)
- Modbus RTU/TCP Interface
- Internet connection with Ethernet
- GSM modem/wire less Internet
- Remote Display
- Active SMS/E-Mails

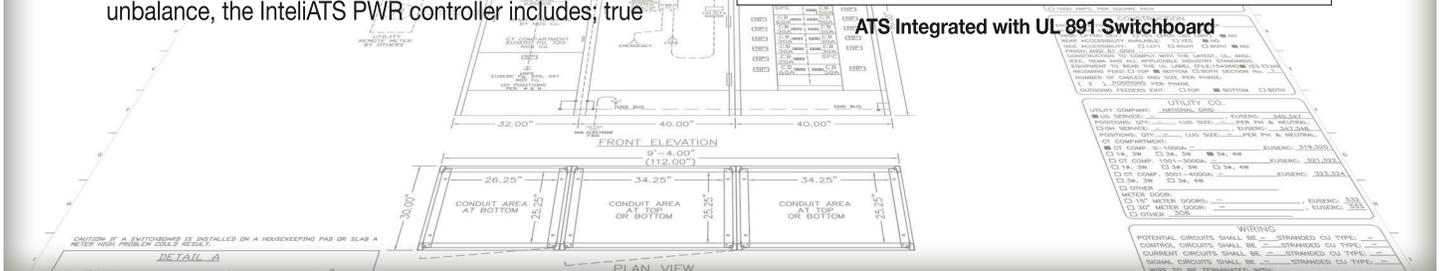
Pioneer offers low and medium voltage transfer switches using the same state of the art microprocessor controller.



Non-Proprietary ATS Controller



ATS Integrated with UL 891 Switchboard



LV & MV Paralleling Switchgear

Pioneer offers synchronizing equipment in both low and medium voltage configurations.

Pioneer offers competitive synchronizing solutions with intuitive controls for all types of power generation applications:

- Single & Multi-Generator Stand-by Systems
- Prime Power/Distributed Generation/MicroGrid Systems
- CHP/Co-Gen Systems
- Peak Shaving/Base Load/Import & Export

Pioneer paralleling switchgear has been installed in markets such as retail, data center, health care, oil exploration, law enforcement, water treatment, medical industry, financial, telecommunications & media, transportation and government within the United States and Puerto Rico.

Pioneer can provide systems utilizing a variety of operating modes to meet a wide range of single or multiple generator applications. Single generator applications can operate in open or closed transition modes. Multiple generator applications can be in an isolated bus or utility paralleled modes. Utility paralleling and soft loading equipment enable on-site customers and utility power companies to parallel generators with the utility power grid for peakshaving and demand/load side management of electrical power.

Pioneer offers synchronizing equipment in both low and medium voltage configurations.

Low Voltage Paralleling Switchgear

- Low Voltage Switchgear: UL 1558 & 891, ANSI, NEMA & CSA
- Optional Service Entrance rated and labeled
- Front or Rear Accessible
- Power Circuit Breakers: Up to 6000A
- 65 to 200 kA Interrupting Capacity
- Up to 10,000 A Bus
- NEMA 1 or NEMA 3R (Non Walk-in & Walk-in)



Low Voltage Paralleling Switchgear



Medium Voltage Paralleling Switchgear

Medium Voltage Paralleling Switchgear

- Metal Clad Switchgear; 5, 15, 27 and 38 KV
- Ampacity up to 4000A
- Up to 1000MVA
- Metal Clad Switchgear: ANSI, IEEE, NEMA, UL, CSA
- NEMA 1 or NEMA 3R (Non Walk-in & Walk-in)



PSS BREAKER NAME	LOAD DESIGNATION	MFR & TYPE	MODEL	INTERRUPTING	FRAME	TRIP SETTING	VOLTAGE	CIRCUIT
52-1	438-LGP-1501	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-2	438-LGP-1502	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-3	438-LGP-1503	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-4	438-LGP-1504	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-5	438-LGP-1505	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-6	438-LGP-1506	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-7	438-LGP-1507	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-8	438-LGP-1508	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-9	438-LGP-1509	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-10	438-LGP-1510	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-11	405MSC-1	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-12	405MSC-2	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-13	405MSC-3	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-14	405MSC-4	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-15	405MSC-5	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-16	405MSC-6	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-17	405MSC-7	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-18	405MSC-8	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-19	405MSC-9	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-20	405MSC-10	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-21	405MSC-11	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-22	405MSC-12	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-23	405MSC-13	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-24	405MSC-14	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-25	405MSC-15	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-26	405MSC-16	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-27	405MSC-17	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-28	405MSC-18	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-29	405MSC-19	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-30	405MSC-20	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-31	405MSC-21	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-32	405MSC-22	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-33	405MSC-23	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-34	405MSC-24	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-35	405MSC-25	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-36	405MSC-26	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-37	405MSC-27	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-38	405MSC-28	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-39	405MSC-29	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-40	405MSC-30	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-41	405MSC-31	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-42	405MSC-32	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-43	405MSC-33	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-44	405MSC-34	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-45	405MSC-35	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-46	405MSC-36	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-47	405MSC-37	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-48	405MSC-38	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-49	405MSC-39	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS
52-50	405MSC-40	SQUARE D NW	NW50H	100k	3000AF	3000A	480	TS

A Few Of Our Projects

Data Centers



Water/Waste Treatment Plants



CHP/Distributed Generation/ Peak Shaving Projects



Other Commercial Projects



Pioneer Power Solutions, Inc. is an industry leader in the design and manufacture of electrical equipment.

Pioneer Power Solutions, Inc. is an industry leader in the design and manufacture of electrical equipment for customers in the North American utility, industrial, commercial, OEM and critical power markets. Our product portfolio includes a wide range of liquid-filled and dry-type (power, distribution and specialty) electrical transformers including magnetic products used in the control and conditioning of electrical current for critical processes.



Mall of America Gen-Set

- Through our business units, we pride ourselves in a 95+ year tradition of meeting the highest standards for design technology, product quality, durability and on-time delivery in a demanding and rapidly changing marketplace.
- While we manufacture many types of transmission and distribution equipment for general purpose applications, our strength lies in built-to-order equipment designed for the special applications of our customers who look to Pioneer for engineered solutions.

Recently, we increased our capabilities to include specialized forms of switchgear and controls that protect facilities against power outages and can manage the generation and distribution of electricity in concert with the power grid.



Utility Substation

Pioneer is a Nasdaq-listed company headquartered in Fort Lee, New Jersey. Our business operations encompass approximately 400 employees at eight manufacturing, centralized distribution, engineering, sales and marketing locations in U.S., Canada and Mexico.



Data Center

We manufacture a full line of standard and custom-engineered liquid-filled and dry-type transformers, and manufactured-to-order switchgear, all available in a wide range of sizes, voltages, phases, frequencies and ratings in accordance with ANSI, CSA and UL standards.



Solar



**Petro-chem/
Industrial**



**Commercial
Construction**

Our Critical Power business provides paralleling switchgear, automatic transfer switches plus generator remote monitoring systems for the emergency standby power systems and distributed generation (microgrid) applications.



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A proud member of the
**Electrical Generating
Systems Association (EGSA)**