Overview
纲要

With the development of technology and society,people's living standardsare improving unceasingly,they need more reliable,secure,uninterruptedpower supply that many of them use dual power supply.
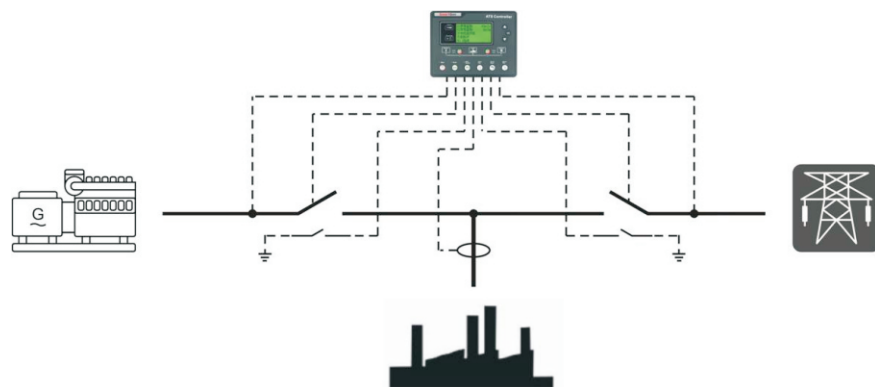
Under this situation,SmartGen provide high-quality products for reliable, continuous power supply to solve this issue.
SmartGen

Application
应用方案

Automatic Transfer Switch (ATS)
双电源自动切换

Characteristics
产品特点

HAT361/HAT361C/HAT363/HAT363C

Characteristics:

1. With MCU intelligent and precise monitoring and control;
2. With OFF mode, in which breaker close/open is inactive;
3. Suit for two-breaking, one-breaking, no-breaking switch;
4. S1 master, S2 master can be set, auto transfer/restore, auto transfer, non-restore switch of master power is fitted;
5. ATS can be configured to work through master and backup power supply, it can work normally as long as any power supply is normal;
6. With RS485 isolated communication port (option), enables " remote control remote measuring, remote communication, remote adjusting" function; ATS close/open can be controlled remotely;
7. Manual test is fitted, which can conduct genset start/stop.

1.　　 MCU
2.　　 OFF
3.
4.　　　S1　　　　S2
5.　　 ATS　　　　　　　　　　　　　　　　　　　　　　　　　ATS
6.　　 RS485　　　　　　　　　　　　　　　　　　 "　　　"　　　　　　 ATS
7.
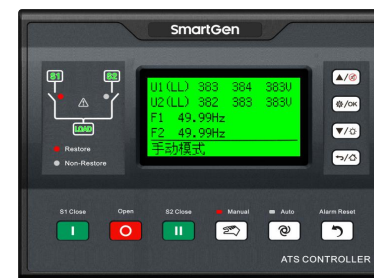
HAT560NC/HAT560NBC

HAT600P/HAT600PI/HAT600PB/HAT600PBI/HAT600PS

Characteristics:

1. Applicable for PC, CB, CC class switch;
2. With 5-way outputs (2-way fixed output+ 3-way programmable output), 4-way inputs (2-way fixed input + 2-way programmable input);
3. With AC(170-277)V function (only for HAT560NBC);
4. LINK, RS485 communication port that enables "remote control, remote measuring, remote communication" function;
5. With real-time clock (RTC) display and event log function, which can record 50 items circularly;
6. Can control two gensets to work cyclically, genset running time and interval stop time can be set;
7. Scheduled genset start/stop function: running for once/monthly/weekly and running with load or without load can also be configured.

1.   PC   CB   CC
2. 5   2   +3   4   2   +2
3.   AC(170-277)V   (HAT560NBC)
4.   LINK RS485   "   "
5.   50
6.
7.

1. Independent overcurrent warning or trip alarm functions for S1/S2 (only for HAT600PI, HAT600PBI, HAT600PS);
2. With 4-way programmable inputs, 6-way programmable outputs;
3. RS485 port can remote control genset start/stop, ATS close and open;
4. ETHERNET port can remote control genset start/stop, ATS close and open (only for HAT600PBI, HAT600PS);
5. HAT600PS has electrical interlock release function that can realize synchronous transfer of dual power;
6. With NEL trip function (only for HAT600PI, HAT600PBI, HAT600PS);
7. With local mode, the controller only displays data parameter when it is active and the switch needs to be transferred by external operations;
8. Real time clock display, and event log function, which can record 200 data circularly;
9. Two gensets can be controlled to realize cycle run, master run, and balanced time run;
10. Scheduled run/not run function for genset is fitted;
11. Each phase voltage of S1/S2, wave distortion rate of load current and 3-21 odd times harmonic percentage can be measured;
12. With black box function.

1.   S1/S2   (HAT600PI HAT600PBI HAT600PS)
2. 4   6
3.   RS485
4.   ETHERNET   (HAT600PBI HAT600PS)
5. HAT600PS
6.   NEL   (HAT600PI HAT600PBI HAT600PS)
7.
8.   200
9.
10.   /
11.   S1 S2   3-21
12.

HAT820/HAT820S

Characteristics:

1. 4.3-inch LCD display, multiple language switching;
2. Auto transfer/restore and auto transfer non-restore switching via keys is fitted;
3. Independent overcurrent warning and trip alarm functions for S1 and S2;
4. 2 ways of RS485 communication ports can remote control genset start, stop, breaker close and open;
5. HAT820S has electrical interlock release function that can realize synchronous transfer of dual power;
6. With NEL trip function;
7. With local mode, the controller only displays data parameter when it is active and the switch needs to be transferred by external operations;
8. Real time clock display, and event log function, which can record 200 data circularly;
9. With black box function that can record 5 sets of events of ATS transfer;
10. Two gensets can be controlled to realize cycle run, master run, and balanced time run;
11. 9-way programmable inputs, 12-way programmable outputs can meet diverse function needs;
12. Scheduled run/ not run function for genset; it can be set to run for once, monthly, or weekly, and running with loading or not can also be set;
13. Resistance type temperature sensor PT100 can be externally connected, which can detect cabinet temperature and control fan start and stop.

1. 4.3
2.
3.　　S1/S2
4.　　RS485
5. HAT820S
6.　　　　　　　　　　NEL
7.
8.　　　　　　　　　　　　　　　　　　　　200
9.　　　　　　　　　　　　5　ATS
10.
11. 9　　　　　　　12
12.　　　　　　　　　　　　　　　/
13.　　　　　　　　　　PT100