



## HAT163

HAT163 ATS Controller is suitable for one breaking three stage ATS. It can accurately detect 2-way-3-phase voltage and judge voltage abnormal (such as over voltage, under voltage, over frequency, under frequency, lack of phase and phase rotation), and then control ATS to switch. In auto mode, if source 1 failure, controller will send signal to start the genset. Moreover, it can also realize remote communication, remote control and parameter configuration functions via LINK port communication.

Product Code : 3020033

Power Supply : AC(170-277)V

Case Dimensions : 86.9x158x119.5(mm)

Panel Cutout : 73.5x144(mm)

Operating Temp. : (-25~+70)°C

Weight : 0.7kg

## COMPLETE DESCRIPTION

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## PERFORMANCE AND CHARACTERISTICS

HAT163 controller can detect 2-way voltage (2-way mains, 1-way mains and 1-way gen ) and control ATS.

**Mains characters are as below,**

1. It is suitable for AC system with 3-phase 4-wire, 2-phase 3-wire, single phase, and 3-phase 3-wire (special order required);
2. “Source 1 Main (auto transfer and restore)”, “Source 2 Main (auto transfer and restore)”, and “No Main Use (auto transfer and non-auto restore)” power supply methods;
3. Measuring and displaying 2-way voltage and frequency:

<b>1#</b>	<b>2#</b>
Phase voltage (Ua, Ub, Uc)	Phase voltage (Ua, Ub, Uc)
Line voltage (Uab, Ubc, Uca)	Line voltage (Uab, Ubc, Uca)
Frequency Hz	Frequency Hz

4. With over/under voltage, over/under frequency, loss of phase, and phase rotation detection functions;
5. LEDs on the panel can clearly display ATS working status;
6. Auto/Manual mode can be switched. In manual mode, ATS can be switched by pressing front panel button;
7. With one force open input port (fire reset function);
8. With manual commissioning function;
9. Applicable for 2 isolated neutral line.
10. Close output can be configured as pulse and continuous output;
11. If A-phase voltage of any one way is normal, both controller and ATS can be worked. When A-phase voltage is normal, if the two power supply voltages are abnormal at the same time, ATS will automatically switch to the breaking position;

12. Parameter setting: parts of parameters can be adjusted from front panel; all can be adjusted via LINK port(with SG72 adaptor) by using computer software;
13. Digitization adjustment of parameters (abandon simulation adjustment of regular potentiometer, and enhanced reliability and stability);
14. Modular design, self extinguishing ABS+PC plastic shell, pluggable terminal, and compact structure;
15. Three installation ways: panel built-in, internal 35mm slideway installation and internal screw mounting.