

ATS Intelligent Power Supply System

G-2



Size:	32*27*16cm
Net Weight:	4.9KG
Power Rating:	12KW
Rated switching current	63A
Applied to 3-13KW single phase generator.	

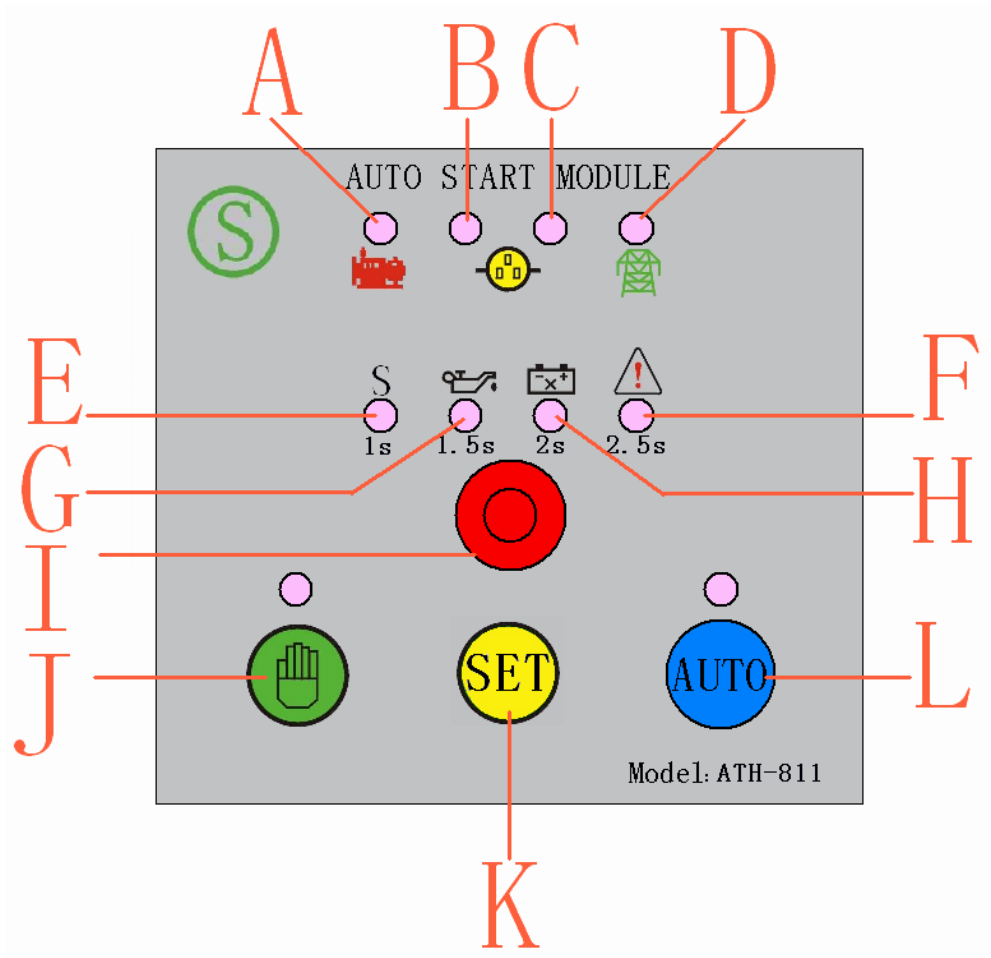


System is mainly controlled by the external generator ATS component box and fuel generator. 3KW-15KW of electric start petrol generator or diesel generator can be used. As the two separate bodies, generators can be used alone. ATS Intelligent control box using high-power dual-supply switching device to ensure the load in the case with the stability of the power switch.

When the city power grid blackout, ATS control box starter-generator, the load switch to generator power supply.

When municipal power come back, then the load switch to municipal power supply, and the delay generator shutdown.

ATH-811 ATS Control Panel Introduction



- A Generator working indicator
- B Power output state indicator (Dual power supply for the power generation output state or municipal electric output state)
- C Power output state indicator (Dual power for the electricity output state)
- D Grid power indicator
- E Starting time setting indicator
- F Start failure alarm indicator
- G Generator low oil pressure indicator light
- H Battery charge failure indicator (Built-in alarm float charger damage)
- I Reset button down
- J Hand start button
- K Starting time setting key
- L Auto start button

ATH-811 control module:

Features: ATH-811 controller is dedicated to small and medium fuel oil generator sets, with hand-starting, self-starter, remote control and multi-point alarm, simple operation, easy installation, reliable, stable performance.

1. Hand start operation:

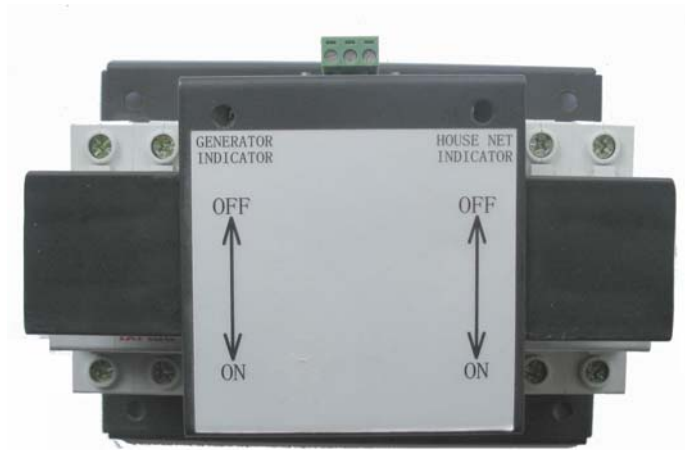
Firstly open the power switch to select hand starting piece, generating an immediate start, press the reset button to make generator stop and turn power switch lock to off, or directly turn the power switch lock to off and generator shutdown.

2. Automatic starting operation:

First of all, the power switch to self-start, this time generators come into monitoring state, when the municipal power supply stably, generator is not working, when the city electricity power failure, 5 seconds later to start the dual power ATS system to switch to the generator power output state. If the time interval of 6 seconds to start generator unsuccessful may repeat the start, if unsuccessful 3 times start alarm. When municipal power came, switch to the state of municipal power supply and generator run with no-load in 100 seconds and later into downtime, system access into monitoring status against municipal power.

3. Due to different starting time of different generators, you can start SET key to set the time. Press set key for 3 seconds then lamp "E" light, release set key to check: 1s, 1.5s, 2s, 2.5s which lamp light. If lamp of 1.5s is light then the starting time of generator is 1.5 second. If need to long the time you can press one more time, each press long 0.5 second. Finish set you can press reset key at last.

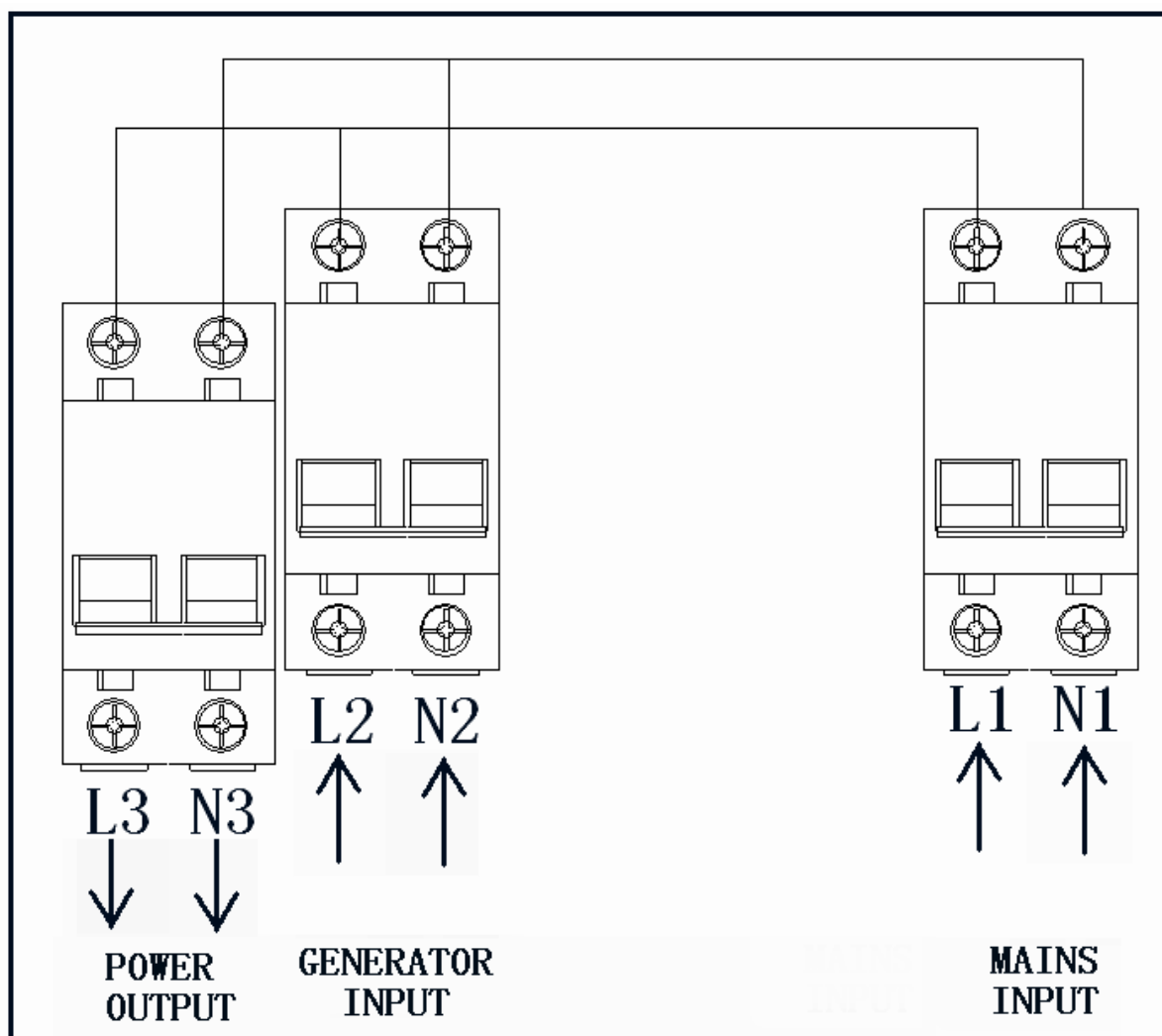
Connect wire ways:

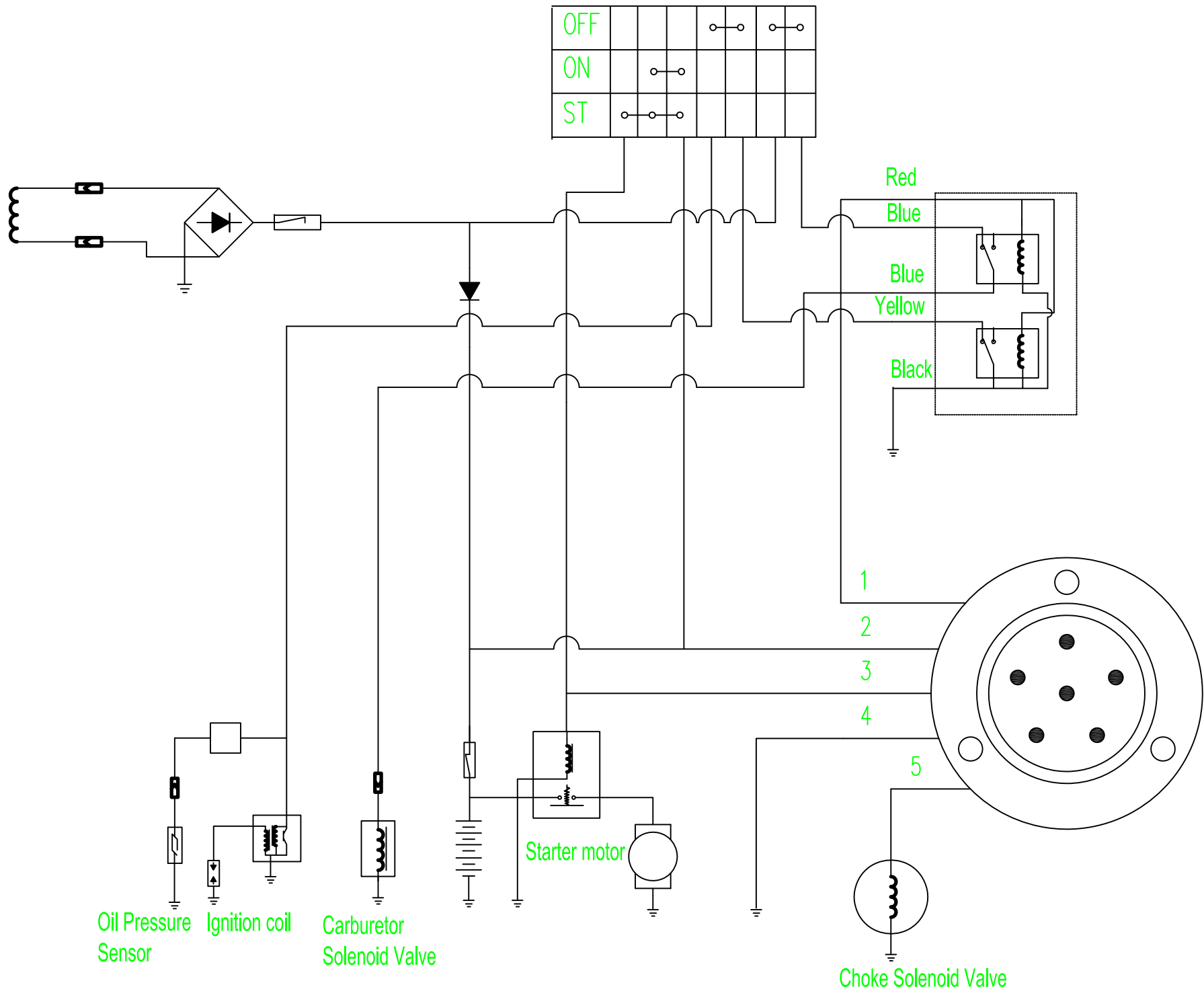


Single-phase dual power converter

Maximum rated current: 63A

G-2





OFF				○—○	○—○
ON		○—○			
ST	○—○	○—○			

Red

Blue

Blue

Yellow

Black

1

2

3

4

5

Oil Pressure
Sensor

Ignition coil

Carburetor
Solenoid Valve

Starter motor

Choke Solenoid Valve