

VOTfai[®]

User Operation Flow V05378

一. Panel description



二. Operating instructions

Initial energization

- ① Pass the self-test and enter the shutdown state after completion.
- ② All indicators are on, and the middle digital display result is software version information.

Shutdown interface

- ① OK key: cyclically switch the display
UP key: temperature/gear +
Down key: temperature/gear -
Power key: enter the power-on state
SET key + OK key: enter the setting interface
SET key + UP key: enter the code matching interface
SET key + Down key: enter the hand oil pump interface
SET key + Power key: mode switch and power on
- ② Digital: Time - indoor temperature
- voltage - target temperature
(gear) - housing temperature -
altitude

Fault display

- ① OK key: cyclically switch the display content
Power key: re-detect the bit error and start up
UP key: gear/target temperature +
Down key: gear/target temperature -
- ② Digital: fault code->temperature->time->voltage->target temperature->gear->housing temperature->altitude
Icons: battery, housing, RF icon
(The matched indicator is steady on). Flame, fan, air inlet and outlet, ignition plug (ignition plug fault), oil pump (oil pump fault), alarm clock (when there is a scheduled shutdown), high mountain (at high altitude)

三. Fault content

Fault description

Fault code	Fault code	Handling method
E-01	E-01	The voltage is too low: below 18V at rated 24V and below 10V at rated 12V.
E-02	E-02	The voltage is too high: above 27V at rated 24V and above 17V at rated 12V.
E-03	E-03	Ignition plug is open or short circuited
E-04	E-04	Oil pump is open or short circuited
E-05	E-05	If the temperature of the housing exceeds 270°C, check whether the air inlet and outlet are blocked.
E-06	E-06	The fan is open or short circuited and the fan speed is not detected by the Hall sensor.
E-07	E-07	Check whether the communication line or plug between the switch and the controller is open or falsely connected.
E-08	E-08	Check whether there is air or water blockage in the oil circuit (the leads to power oil supply).
E-09	E-09	Housing temperature sensor is open or short circuited.
E-10	E-10	Check whether the oil circuit is blocked. The oil sample is not smooth, the oil pump is stuck, or the air is blocked due to vacuum/pressure caused by oil problems, which may lead to ignition failure.
E-11	E-11	The ambient temperature sensor is open or short circuited.
E-12	E-12	If the temperature of the controller exceeds 100 °C, check whether the air inlet and outlet are blocked or the ECU is damaged.

Hand oil pump

- ① SET key: move the set data bit
OK key: start/stop the hand oil pump
UP key: set the value of the data bit +1
Down key: set the value of data bit - 1
Power key: exit the hand oil pump and enter the shutdown state
- ② Digital: count down; Unit: second
Icons: battery, oil pump, housing

Remote control code matching

- ① OK key: save the current code value and enter the OFF state
Power key: not save the current code value and enter the OFF state
Remote control OK key or OFF key: code matching
- ② Icons: battery, housing, RF icon
(The unmatched indicator flashes, and the matched indicator is steady on)

Parameter settings

- ① SET key: cyclically switch the parameter setting interface
OK key: confirm setting the data bit and move to the next bit
Power key: save the setting parameters and return to OFF state
UP key: adjust the value upward
DOWN key: adjust the value downward
- ② Digital: parameter P/c, I/2, R/L, I/2/3
Control mode: P - manual gear, T - automatic temperature
Housing voltage: 1-12V, 2-24V
Maximum power: 0-5000W, 1-2000W
Oil pump size: 1-16ml, 2-22ml, 3-28ml
Icons: battery, housing, RF icon
(The unmatched indicator flashes, and the matched indicator is steady on), setting icon

Boot interface

- ① OK key: cyclically switch the display content
Power key: enter the OFF state
UP key: gear/target temperature +
Down key: gear/target temperature -
- ② Digital: temperature->time->voltage->target temperature->gear->fan speed->housing temperature->altitude
Icons: battery, housing, RF icon
(The matched indicator is steady on). Flame, fan, air inlet and outlet, ignition plug (when it is working), oil pump (when it is working), alarm clock (when there is a scheduled shutdown), high mountain (at high altitude)