

POWTRAN AC Drives PI9100

Features

Voltage: 220-415V

Power: 0.75-7.5KW



POWTRAN AC Drives technical specifications:

- 1) POWTRAN AC Drives power range: 0.75~1000KW.
- 2) POWTRAN AC Drives voltage: AC 220/380/440//575/690/1140V, -15% ~ 15%.
- 3) Output frequency: 0.00~3200.00Hz
- 4).Central control module based on DSP, realize high-speed and high performance control.
- 5) Integrate V/F control, V/F+PG control, Sensorless Vector control , Vector+PG control.

- 6) 3 space voltage vector waveform generation methods.
- 7) Dead compensate function, realize low frequency and high output torque control.
- 8) AC Drives has automatic slip compensate.
- 9) At most 7 steps speed control and 8 steps acceleration control can be realized.
- 10) 6 programmable output control terminals.
- 11) Internal PID function, realize high performance closed loop control.
- 12) Can add PID regulate DC braking system to AC Drives.
- 13) Speed pursue starting and restart after momentary power loss.
- 14) Forced communicated function, support standard RS485 and Modbus, supply remote keyboard control function.
- 15) Special converse module (IGBT) temperature control and display function, adjustable fan control, timely reduce motor noise and temperature.
- 16) High-efficient faults inquiry and record function, conveniently obviate the fault.
- 17) Parameter protection function.
- 18) Unique design, making frequency converter least power consumption.
- 19) Outstanding behave 3-phase AC synchronous motor of permanent magnetism control.
- 20) Control mode: Vector control with PG (VC), sensorless vector control (SVC), V/F control.
- 21) Overload capacity: 150% rated current for 60 s (SVC), 180% rated current for 10 s (VC).
- 22) Multi-functional Quick/Jog key: Access common used parameter quickly.
- 23) Ambient temperature: -10~50 °C.
- 24) Altitude: 0~1000m, it would cause power derating in 1,000~4,000m.
- 25) 30 kinds of protection function in AC Drives.
- 26) User can plug in option card to achieve specialized inverter for different application.
- 27) Avoid high temperature and moisture and avoid being wetted due to raining, with the humidity below 90%RH (not dewing).