

EASYDRIVE INVERTER PRODUCT SERIES

>> MINI SERIES---S/L MINI INVERTER

Power range: MINI-S 0.4-1.5KW/220V MINI-L 0.4-1.5/220V\380V

Abroad apply for machanism,weaving,dying,packing,printing,ceramic,pharmacy,food etc.Especially apply for kinds of OEM.

>>ED3100-M SERIES Sensorless vector control of the inverter

Power range:0.75-630ke/380V 0.75-2.2kw/220V\380V

Plastic machinery,ceramics machinery,electrical machinery,textile machinery,light industrial machinery,pharmaceutical machinery,packaging and printing machinery,paper-making production line,chemical fiber production lines,escalators,wire and cable machinery,printing machinery.procssing machinery,machine tools,textile printing and dyeing and Equipment bag,cold rolling,low-frequency roll,centrifuges,a direct substitute for the exchange of torque motor for the general constant tension open-book collection or volume control.

>>ED3100-FP SERIES for fan and pump

Power range:5.5-630kw/380V

Industrial and civilian use of the boiler blower,induced draft fan speed control air flow and heat transfer station urban heating circulation pump speed control temperature, central air-condition Circulating chilled water pumps, cooling water pump speed control temperature, ventilation under

>>ED3200 SERIES the special inverter for the veneer peeling lathe

Power range: 5.5-45kw/380v

>>ED3300 SERIES transducer for machine tools

Power range:0.75-18.5KW/380V

>>ED3800 SERIES high performance current vector control

Power range:0.75-75KW/380V



MINI SERIES---S/L MINI INVERTER

Power range: MINI-S 0.4-1.5KW/220V

MINI-L 0.4-1.5/220V\380V

Brand: EASYDRIVE

MATERIAL: Plastic shell

PRODUCT SIZE: MINI-S 155X85X122MM

MINI-L 175X98X152MM

PACKAGE SIZE: MINI-S 190X135X155MM

MINI-L 230X160X200MM

N.W.: MINI-S 1.3KG/PC

MINI-L 1.8KG/PC

Abroad apply for machanism,weaving,dying,packing, printing,ceramic,pharmacy,food etc.Especially apply for kinds of OEM.

Mini S/L series frequency inverter

1. SVC current vector control mode,V/F control mode optional
- 2.V/F curve multi-drop setting, flexible configuration
3. Static and rotation autotuning of motor parameters
- 4.Multi-functional programmable input port, programmable relay output
5. Built-in PID control,making the simple flow /pressure closed-loop control more convenient
- 6.Overcurrent/overvoltage monitoring and protection,protecting the equipment and frequency inverter to the maximum
- 7.Unique adaptive control and PWM-techniques,making the control performance excellent
8. Compact structure ,small size,reliable performance.
9. Special design , adaptive to broad large-scale electric network,especially at some certain low-voltage occasion



ED3100 SERIES

Sensorless vector control of the inverter

Power range:0.75-630kw/380V

0.75-2.2kw/220V\380V

Brand: EASYDRIVE

MATERIAL: Plastic shell or metal shell

ED3100 series open loop vector control frequency inverter

- 1.Advanced vector control algorithm, can realize the decoupling control of motors, and reach SVC current vector control mode and V/F control mode
- 2.150% low frequency moment output,1:100 speed control range, control accuracy of the non PG vector control speed can reach to 0.1%
- 3.Frequency inverters between 0.75kw~18.5kw with built-in brake unit,if fast-action braking is needed,can connect brake resistance directly; 160kw and up with direct current(DC) reactor ,which can increase the power factor of the output side, increase efficiency and stability of the AC Driver, eliminate the influence of higher harmonics produced at the input side toward the frequency inverter,decrease the interference to periphery
- 4.Built-in auto-compensation torque function,built-in PID regulator and built-in RS485 communication interface, provide full support to MODBUS communication protocol
- 5.Restart function of torque tracking ,realize smooth and non-impact start of the revolving motor
- 6.Multi-parameter monitoring and adjustment online
- 7.Connected with various ancillary equipment, such as PLC,IPC and meters by various input and output ports and control modes
- 8.LED,LCD operation panel optional for convenience and efficiency
- 9.Supply pulse input and output to achieve digital closed loop control method
- 10.With automatic energy saving feature, at which the current is lower than V/F at the sar frequency; the voltage automatic adjustment to keep the output voltage constant when the power voltage changeatmosphere
- 11.Complete independent air flue design increase vigilance against dust
- 12.All boards processed by conformal coating
13. Perfect function of protection



ED3000 SERIES for fan and pump
Power range:5.5-630kw/380V
Brand: EASYDRIVE
MATERIAL: Plastic shell or metal shell

ED3000-FP for fan and pump

1. Overload capacity: rated current x 120%/min, rated current x150%/sec
2. Smooth starting for fan and pump
3. Simple PLC function, switch to power frequency by bypass.
4. Smooth starting for running motor by tracking the subsistent speed.
5. Automatic energy saving, detecting the load features to reach best input status to promote the energy saving effect.
6. Various inbuilt PID function to gain open or closed loop control
7. Various control and protecting function



ED3200 SERIES the special inverter for the veneer peeling lathe

Power range: 5.5-45kw/380v

Brand: EASYDRIVE

MATERIAL: Plastic shell or metal shell

ED3200 DEDICATED INVERTER FOR VENEER PEELING LATHE

1. Automatic monitoring the wood diameter by encoder or linear scale, real-time computation of the cutting bed speed to make sure the veneer uniform thickness, smooth surface.
2. Setting the peeling lathe technical parameter online, adjusting the veneer thickness constantly for satisfying the market requests.
3. Satisfying the high frequency output request in the later peeling stage (0-600Hz)
4. Current vector control and 150% torque output at 0.5 Hz make sure the strong cutting force at low speed.
5. Dynamic identification of motor parameter make sure the system stable and accurate.



ED3300 SERIES
DEDICATED FREQUENCY INVERTOR FOR
MACHINE TOOL
Power range:0.75-18.5kw/380V
Brand: EASYDRIVE
MATERIAL: Plastic shell

ED3300

DEDICATED FREQUENCY INVERTOR FOR MACHINE TOOL

- 1.Dedicated inverter for machine tool,simple wiring and operation ,only set the corresponding maximum frequency of the analog quantity can make it work regularly under general debugging.
- 2.Acceleration and deceleration time of the maximum frequency can reach 0.1S
- 3.Adopt the sensor-less vector control technology,detent torque at 0.5HZ outputs smoothly by 150% rated torque,fully meet the slow running requirement of digital control machine tool,make sure the powerful cutting force under low-speed heavy cut
- 4.Restrict the output current automatically according to the load changing,keep it within the normal current range.Even abrupt load change, quick acceleration or deceleration occurred,the frequency inverter keeps work regularly without showing fault,realizing the high-performance nad high-reliability
5. Quick and stable response under high-speed stop
- 6.Mathch with the same power motor, without enlarging capacity of the frequency inverter



ED3800 SERIES

High-performance vector control frequency inverter

Power range:0.75-630kw/380V

0.75-75kw/380V

Brand: EASYDRIVE

MATERIAL: Plastic shell or metal shell

ED3800 High-performance vector control frequency inverter

- 1.Three speed control pattern: vector control without PG (SVC), standard V/F control, vector V/F control
- 2.4 programmable digital input ports : DI1,DI2,DI3,DI4
- 2 analog signal input ports: AI1,AI2
- 2 programmable switching value output ports: open collector output, relay output
- programmable analog output port: setting frequency, running frequency, output voltage, output current, output power, output torque and analogy channel input single output 0-10v/0-20mA analogy signal
- 3.180% output of torque at low frequency, speed control accuracy : 0.1% , 1:1000 speed control range.
4. 16 steps simple PLC, multi-velocity and PID control, swing frequency control; Built-in RS485 communication interface, provide full support to MODBUS communication protocol
5. Smooth starting for running motor by tracking the subsistent speed; fixed-length and timing function
6. LED,LCD operation panel optional for convenience and efficiency
7. Monitoring multi motor parameters constantly and adjustment online
- 8.Excellent electromagnetic compatibility, meeting the operating requirement in different occasions
9. Various supervisor monitoring function, realizing the online monitoring setting frequency, running frequency, busbar voltage, output voltage, output current, output power, motor speed, output torque, PID set, feedback ,input/output status of the terminal and can also switch the input/output status of the terminal online
- 10.Excellent protection measures , realize the protection for nearly 20 kinds such as overvoltage, undervoltage, phase shortage, overload, overheating, overcurrent, external fault, communication fault and etc.