

INOMAX

Build your trust of technology from China

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FREQUENCY INVERTER

CATALOG



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www.inomaxtechnology.com

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MAX

Unparalleled Performance. Uncompromising Quality.

What is required of inverters in this constantly changing world?

At Inomax technology, we have pursued the answer to this question through constant innovation and evolution.

Introducing our extensive range of high-value,

next-generation inverters delivering outstanding drive performance in any environment,

and a wealth of functionality covering startup to maintenance.

Bulid your trust of technology,let's the world benefit from technology in China!

We are on the way!

Flexible control systems

- Dual rated for HD & ND applications
- Tension control and torque mode control
- Up to 200% starting torque at 0hz
- Onboard PLC for logic programs.
- IEC61131-3 programming.



Optimise system performance

- Onboard Advanced Motion Controller.
- 2 PID Control optional

Conform to safety standards

- Integrate directly with safety systems.
- Reverse and forward free switching
- Sleeping function

Flexible communications

- Modbus RTU/RS485 built in
- Profibus DP card optional
- Onboard web-server for flexible setup and monitoring.

02

Variants

01

- Motor Auto-tune (static and dynamic)
- · Programmable delay unit

ADVANCED MOTOR CONTROL

0.75KW-630KW | 220V/380V/690V

Class-leading Induction, Servo and PM Motor Performance.

Delivers high performance motor control for induction, permanent magnet & servo applications, plus onboard real-time Ethernet.

MAX500 variable frequency drives provides ultimate control flexibility to satisfy the requirements of machine builders and high specification industrial applications.

Maximise throughput

- · High bandwidth motor control.
- Flexible speed & position feedback.

industrial applications.

MAX500 Voltage and Power Rating Data

Type Designation:

MAX500 - 7R5G/011PT4 3 4 56 1&2- Product series

3- Power for heavy duty

4- Power for light duty

5- T for 3 phase, S for 1 phase

| | | | 1 | | | |
|---------------|----------|------------|------------|---------|----------|--|
| | Power | Input | Output | | | |
| Model | Capacity | Current | Current | Adaptal | oleMotor | Product photos |
| Wiodol | (KVA) | (A) | (A) | | I | 1 Toddot pilotoo |
| | | | /-240V,50/ | KW | HP | |
| | | | | | | |
| MAX300-0R4GS2 | 1 | 5.4 | 2.3 | 0.4 | 0.5 | |
| MAX300-R75GS2 | 1.5 | 8.2 | 4 | 0.75 | 1 | |
| MAX300-1R5GS2 | 3 | 14 | 7 | 1.5 | 2 | |
| MAX300-2R2GS2 | 4 | 23 | 9.6 | 2.2 | 3 | △ VAPHANIS |
| | 3 phase | e 200V-240 | V,50/60hz | | | Contribution that Contribution that Contribution that Contribution that Contribution that |
| MAX500-0R4GT2 | 1.5 | 3.4 | 2.1 | 0.4 | 0.5 | |
| MAX500-R75GT2 | 3 | 5 | 3.8 | 0.75 | 1 | |
| MAX500-1R5GT2 | 4 | 5.8 | 5.1 | 1.5 | 2 | INDMAX |
| MAX500-2R2GT2 | 5.9 | 10.5 | 9 | 2.2 | 3 | |
| MAX500-3R7GT2 | 8.9 | 14.6 | 13 | 3.7 | 5 | |
| MAX500-5R5GT2 | 17 | 26 | 25 | 5.5 | 7.5 | Amongs |
| MAX500-7R5GT2 | 21 | 35 | 32 | 7.5 | 10 | Seminorana Seminoranana Seminoranananananananananananananananananana |
| MAX500-011GT2 | 30 | 46.5 | 45 | 11 | 15 | |
| MAX500-015GT2 | 40 | 62 | 60 | 15 | 20 | |
| MAX500-018GT2 | 57 | 76 | 75 | 18.5 | 25 | |
| MAX500-022GT2 | 69 | 92 | 91 | 22 | 30 | |
| MAX500-030GT2 | 85 | 113 | 112 | 30 | 40 | INOMAX |
| MAX500-037GT2 | 114 | 157 | 150 | 37 | 50 | А. |
| MAX500-045GT2 | 134 | 180 | 176 | 45 | 60 | <u>A</u> |
| MAX500-055GT2 | 160 | 214 | 210 | 55 | 75 | |
| MAX500-075GT2 | 231 | 307 | 304 | 75 | 100 | |

MAX500 Voltage and Power Rating Data

| | Power | Input | Output | | | |
|--------------------|----------|---------|---------|---------|----------|---|
| Model | Capacity | Current | Current | Adaptab | le Motor | Product photos |
| oco. | (KVA) | (A) | (A) | KW | HP | |
| | | | | | | |
| MAX500-R75GT4 | 1.5 | 3.4 | 2.1 | 0.75 | 1 | |
| MAX500-1R5GT4 | 3 | 5 | 3.8 | 1.5 | 2 | |
| MAX500-2R2GT4 | 4 | 5.8 | 5.1 | 2.2 | 3 | BNOMAX |
| MAX500-3R7G/5R5PT4 | 5.9 | 10.5 | 9 | 3.7 | 5 | |
| MAX500-5R5G/7R5PT4 | 8.9 | 14.6 | 13 | 5.5 | 7.5 | |
| MAX500-7R5G/011PT4 | 11 | 20.5 | 17 | 7.5 | 10 | |
| MAX500-011G/015PT4 | 17 | 26 | 25 | 11 | 15 | No. 10 company (see Section Control Contr |
| MAX500-015G/018PT4 | 21 | 35 | 32 | 15 | 20 | |
| MAX500-018G/022PT4 | 24 | 38.5 | 37 | 18.5 | 25 | |
| MAX500-022/030PGT4 | 30 | 46.5 | 45 | 22 | 30 | |
| MAX500-030G/037PT4 | 40 | 62 | 60 | 30 | 40 | |
| MAX500-037G/045PT4 | 57 | 76 | 75 | 37 | 50 | |
| MAX500-045G/055PT4 | 69 | 92 | 91 | 45 | 60 | |
| MAX500-055G/075PT4 | 85 | 113 | 112 | 55 | 75 | INDMAX |
| MAX500-075G/090PT4 | 114 | 157 | 150 | 75 | 100 | INUMAX |
| MAX500-090G/110PT4 | 134 | 180 | 176 | 90 | 125 | <u>A</u> |
| MAX500-110G/132PT4 | 160 | 214 | 210 | 110 | 150 | A |
| MAX500-132G/160PT4 | 192 | 256 | 253 | 132 | 175 | |
| MAX500-160G/185PT4 | 231 | 307 | 304 | 160 | 210 | |
| MAX500-185G/200PT4 | 240 | 340 | 335 | 185 | 250 | - |
| MAX500-200G/220PT4 | 250 | 385 | 377 | 200 | 260 | |
| MAX500-220G/250PT4 | 280 | 430 | 426 | 220 | 300 | TO Appendix |
| MAX500-250G/280PT4 | 315 | 468 | 465 | 250 | 350 | |
| MAX500-280G/315PT4 | 350 | 525 | 520 | 280 | 370 | |
| MAX500-315G/355PT4 | 385 | 590 | 585 | 315 | 420 | A man and a man |
| MAX500-355G/400PT4 | 420 | 665 | 650 | 355 | 470 | |
| MAX500-400G/450PT4 | 470 | 785 | 725 | 400 | 530 | |
| MAX500-450G/500PT4 | 530 | 883 | 820 | 450 | 600 | |
| MAX500-500G/560PT4 | 580 | 1000 | 930 | 500 | 660 | |
| MAX500-560G/630PT4 | 630 | 1100 | 1080 | 560 | 750 | |
| MAX500-630G/710PT4 | 710 | 1200 | 1120 | 630 | 850 | |

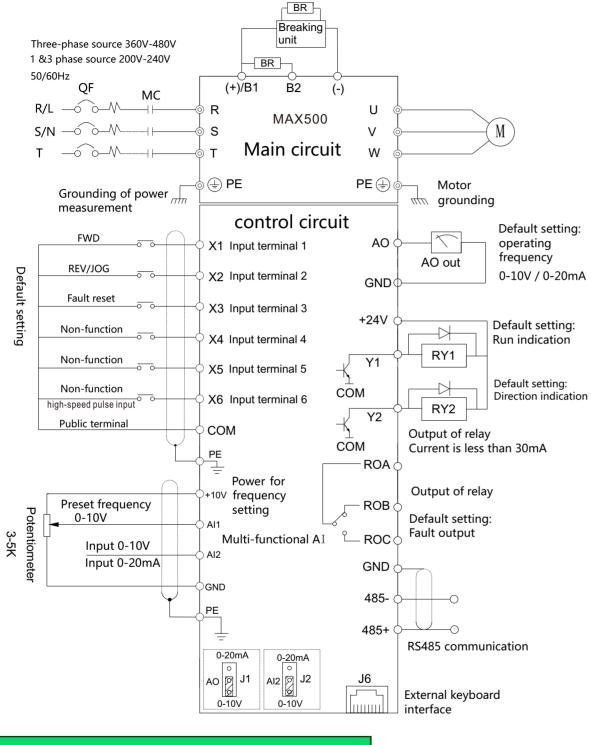
General Technical Data

| | Torque limit and control | (Excavator characteristics) It can limit the torque automatically and prevent frequently over current tripping during the running process. Torque control can be implemented in the VC mode. |
|------------------------------|--|--|
| | High performance | Control of asynchronous motor is implemented through the high-performance current vector control technology. |
| | Instant power not stop | The load feedback energy compensates the voltage reduction so that the frequency inverter can continue to run for a short time. |
| | Rapid current limit | To avoid frequently over current faults of the frequency inverter. |
| | Timing control | Time range: 0.0~6500.0 minutes |
| Individualize d functions | Multiple communication protocols | Currently supports communication bus via Modbus-RTU and later will support PROFIBUS-DP, CANopen, etc. |
| | Motor overheat protection | The optional I/O extension card enables Al3 to receive the motor temperature sensor input (PT100, PT1000) so as to realize motor overheat protection. |
| | Multiple encoder types | It supports incremental encoder and encoder such as differential encoder, open-collector encoder, resolver, UVW encoder, and SIN/ COS encoder. |
| | Advanced background software | It supports the operation of frequency inverter parameters and virtualoscillograph function, by which the state of frequency inverter can be monitored. |
| | Running command giving | key panel Control terminals Serial communication port You can switch between these giving in various ways. |
| | Frequency giving | There are 10 kinds frequency giving: digital setting, analog voltage setting, analog current setting, pulse setting, serial communication port setting, panel potentiometer, etc. You can switch between these giving in various ways. |
| Run | Auxiliary frequency giving | There are 10 kinds auxiliary frequency giving. It can implement tiny tuning of auxiliary frequency and frequency synthesis. |
| | Input terminal | Standard: 6 digital input (DI) terminals, one of which supports up to 100 kHz high-speed pulse input 2 analog input (AI) terminals, support 0V~10 V voltage input or 0 mA~20 mA current input Expanding capacity: 6 DI terminals 1 AI terminal supports -10V~10 V voltage input. |

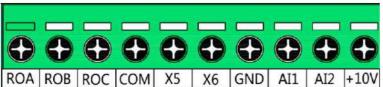
General Technical Data

| Item | | Specifi | cations | | | |
|--------------------|---|---|---|--|--|--|
| | Maximum frequency | 0~3200.00Hz | | | | |
| | Carrier frequency | 0.5–16 KHz(The carrier frequents) | ency is automatically adjusted | | | |
| | Input frequency resolution | | | | | |
| | Control mode | · | Sensor-less flux vector control (SFVC) Closed-loop vector control (CLVC) (+PG Card) Voltage/Ereguency (V/E) control | | | |
| | Startup torque | G type: 0.3Hz/150% (SFVC) ; 0 Hz/180% (CLVC) P type: 0.5Hz/100% | | | | |
| | Speed range | 1: 200 (SFVC) | 1:1000 (CLVC) | | | |
| | Speed stability accuracy | ± 0.5% (SFVC) | ± 0.02% (CLVC) | | | |
| Standard functions | Torque control accuracy | ±5% (CLVC) | | | | |
| | Overload capacity | G type: 60s for 150% of the rated current, 3s for 180% of the rated current P type: 60s for 120% of the rated current, 3s for 150% of the | | | | |
| | Torque boost Auto boost; Manual boost: 0.1%~30.0% | | | | | |
| | V/F curve | Straight-line V/F curve Multi-point V/F curve N-powerV/F curve (1.2-power, 1.4-power, 1.6-power, 1.8-power, square) | | | | |
| | V/F separation | Two types: complete separation; half separation | | | | |
| | Acceleration/dec eleration curve | Straight-line ramp S-curve ramp Four groups of acceleration/deceleration time with the ra 0.00s~65000s | | | | |
| | DC braking | DC braking frequency: 0.00 Hz ~ maximum frequency Braking time: 0.0~100.0s Braking trigger current value: 0.0%~100.0% | | | | |
| | JOG control | JOG frequency range: 0.00Hz~, JOG acceleration/deceleration t | | | | |
| | Built-in PLC, multiple speeds | It realizes up to 16 speeds v combination of DI terminal state | ia the simple PLC function or s. | | | |
| Standard | Built-in PID | It realizes closed loop control sy | rstem easily. | | | |
| functions | Auto voltage regulation (AVR) | It can keep constant output very mains voltage fluctuation. | voltage automatically when the | | | |
| | Overvoltage/ Over current stall control | 1 | imited automatically during the oid frequently tripping due to | | | |
| | Rapid current limit function | It can auto limit running current of frequency inverter to avoid frequently tripping. | | | | |

Control Circuit and Main Circuit Wiring







Control Circuit terminal

| Туре | Terminal | Terminal Name | Description and default | | |
|------------------------|---------------------------------|---|--|--|--|
| | X1 | Multi-function input terminal 1 | Default: forward | | |
| | X2 | Multi-function input terminal 2 | Default: reverse | | |
| | X 3 | Multi-function input terminal 3 | Default: No function | | |
| Muti-input terminal | X4 | Multi-function input terminal 4 | Default: No function | | |
| | X5 | Multi-function input terminal 5 | Default: No function | | |
| X6 | Multi-function input terminal 6 | Default: No function, can be used as high-speed pulse input | | | |
| | СОМ | Common terminal | Multi-function input common terminal, +24V power reference ground | | |
| Al1 | | Analog input 1 | 0~ 10V input | | |
| | Al2 | Analog input 2 | 0~ 10V/0~ 20mA input (J2 jumper is optional) | | |
| Analog input | +10V | Power supply for analog quantity setting | +10V DC 10mA (potentiometer 3 ~ 5K) | | |
| | GND | Analog reference ground | Analog input and output reference ground | | |
| | Y1 | Multi-function output terminal 1 | Default: running status | | |
| Multi-function | Y2 | Multi-function output terminal 2 | Default: No function Default: No function, can be used as high-speed purinput Multi-function input common terminal, +24V power reference ground 0~ 10V input 0~ 10V/0~ 20mA input (J2 jumper is optional) for analog +10V DC 10mA (potentiometer 3~ 5K) e ground Analog input and output reference ground Itput Default: running status | | |
| output | ROA | Relay output | | | |
| | ROB | ROA-ROB normally | Default: inverter fault output | | |
| | ROC | closed ROA-ROC normally open | Default. Inverter fault output | | |
| Analog output | AO | | 0~ 10V/0~ 20mA output (J1 jumper is optional) | | |
| Input | +24V | | GND is the reference ground | | |
| Communication | 485+ | Analog output terminal | +24V DC 100mA COM in the newer ground | | |
| Communication | 485- | +24V power supply | +24V DC 100mA COM is the power ground. | | |

MAX300 series small power drives

SMART











Product positioning

MAX300 series inverter is economical inverter specially for small scale processing and manufacturing automation control

Performance introduction

MAX300 series inverter is a high-quality and simple VF control inverter. It can run a wide range of speed in high precision by decoupling control of motor magnetic flex current and torque current torque:fast and accurately, High end hardware platforms, scientific production technology and complete testing equipment make the product more stable and reliable.

Capacity range

Power range: 0.4-3.7kw power range

Frequency range: 0.00-400.00HZ

Voltage level: 1 &3 phase 220V, 3 phase 380V-480V

Technical features

- 1, Using DSP as the core of control unit to achieve high-speed and high-performance control 2, Motor parameter self-learning, intelligent setting to the optimal control model
- 3, High performance IPM module, protection function such as under
- voltage, overcurrent, overtemperaature, over the ground short circuit etc.
- 4, The unique EMC design minimizing the pollution to power.

Application industry

Medicine, food, packaging, engraving, washing and other industries

Machinery equipment, a variety of small-scale machinery equipment.

Model and data of MAX300

| Model | Power Capacity | Input Current | Output Current | Adaptal | ole Motor |
|---------------|----------------|-----------------|------------------|---------|-----------|
| Model | (KVA) | (A) | (A) | KW | HP |
| | | Single-phase 20 | 0V-240V, 50/60Hz | | |
| MAX300-0R4GS2 | 1 | 5.4 | 2.3 | 0.4 | 0.5 |
| MAX300-R75GS2 | 1.5 | 8.2 | 4 | 0.75 | 1 |
| MAX300-1R5GS2 | 3 | 14 | 7 | 1.5 | 2 |
| MAX300-2R2GS2 | 4 | 23 | 9.6 | 2.2 | 3 |
| | | Three-phase 380 | V-480V, 50/60Hz | | |
| MAX300-R75GT4 | 1.5 | 3.4 | 2.1 | 0.75 | 1 |
| MAX300-1R5GT4 | 3 | 5 | 3.8 | 1.5 | 2 |
| MAX300-2R2GT4 | 4 | 5.8 | 5.1 | 2.2 | 3 |
| MAX300-3R7GT4 | 5.9 | 10.5 | 9 | 3.7 | 5 |

Structure description

Shuttle keypad

- · Shuttle keypad-high precision rotary encoder
- · Spin around increasing and decreasing by degrees
- Highlight LED display information

Remote control interface

- Support Remote control within 100m
- · Support standard Rs485 communication

Independent air duct structure

- · Separating the radiator and the drive control module
- · Capacitance isolation is installed on the duct
- · Forced air cooling

Wire-in terminal entry

- · Cover removable
- · Wiring is simple,top down out
- · Enhanced ABS flame retardant material

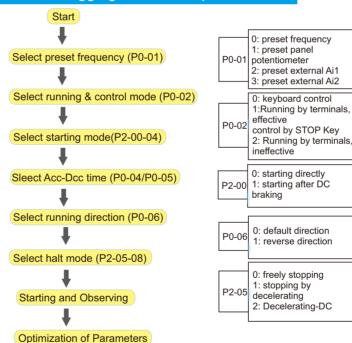
-Control cable entry

- · Compliance with the safety standards of machanical euipment and electrical facility
- Connecting the main loop terminal and controlling circuit termina
- Shorten the cable connection and installation

Capacitance isolation installation area

- · Enhanced ABS flame retardant material
- Separating the capacitance from the other control panels
- · Natural air cooling in air duct

Quick Debugging/Quick set up instructions



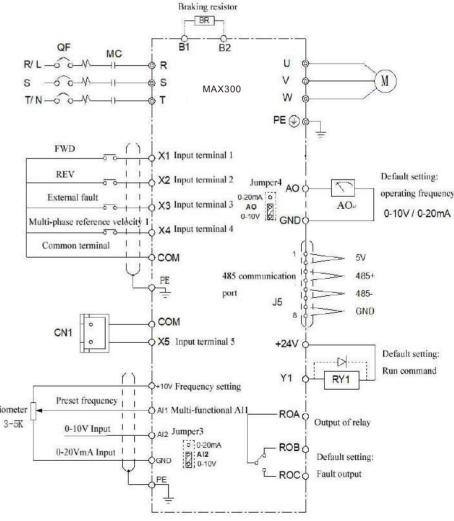
Demension



| Time | - She - |
|------|---------|
| | |
| - JO | 1 |
| 200 | |
| | |
| | 100 |

| Model | Mounting Dimension | | | Pore | | |
|--|--------------------|----------|------------|----------|----------|--------------|
| Wiodci | length(mm) | wide(mm) | length(mm) | wide(mm) | high(mm) | Diameter(mm) |
| 0.75kw-3.7kw | 141 | 80.5 | 152 | 89 | 123 | 5.2 |
| 0.75kw-3.7kw keyboard installation dimension: length=115mm width=115mm | | | | | | |

Control Circuit and Main Circuit Wiring



Applications of Typical Industries

Electric Vehicle Drive



- · Prominent structure design of high protection level, simple and convenient wiring
- · Accurate torque control perfectly matches with engine
- · Energy saving mode, super battery endurance
- · Professional built-in CAN-BUS adapter card of cars

Ceramics Machinery

- Strong adaptability of environmental temperature
- Professional solutions for anti-interference and lightning protection
- · Reliable and stable operation, corrosion prevention
- . Non-trip, reliable control and protection for power modules

Oil Field



- · Special inverter for pumping unit, do not need energy feedback or dynamic braking
- Higher power saving effect, less harmonic and reactive current
- Select high quality Outdoor Control Cabinet Box products constant temperature control box can be long-term working reliably in the field of high and low temperature
- · Rich and flexible monitoring function can wirelessly transmit inverter data or record data through relevant storage medium



Explosion-proof Products

- Passed National Detection and Testing Certificate
- Various voltage levels of products 200/400/690/1140V
- · Wide operating voltage, continuously operating in low voltage and interference electricity, strong environmental adaptability
- · Supporting automatic restart when power resume normal

Mine Winch



- · Abundant experience in the renovation of winch, providing different types of winch renovation solutions
- Vector technology platform providing excellent control performance for the winch
- · A variety of protection functions to ensure more secure and
- Intelligent fault diagnosis to reduce maintenance and repair work

Industry EPS



- · Adopting digital control technology of DSP and CPLD and high efficiency technology of IGBT, higher reliability, lower loss
- · Superior load characteristic, tracking synchronously, sinusoidal output, switching on line
- · Man-machine interface of LCD, perfect function of protection, convenient to use
- · Dynamic characteristics of high performance and the shortest switching time is less than 3ms

Injection molding industry Air Compressor Industry

- There are 2 ways of solutions to be chosen: • High precision vector frequency Integrated Energy-Saving Control Cabinet or specific inverter for Plastic Machine
- The motor drive solution can be chosen as optional: asynchronous servomotor solution or synchronous servomotor solution with double closed-loop control
- No high-pressure throttle and loss of overflowed energy, energy-saving rate can reach to 25%~70%
- Design of independent duct makes rear parts and top fan can be convenient to disassemble and easy to maintain; it has strong environmental adaptability and high protection level as well

- conversion; Closed-loop constant pressure control; Multi-machine networking control
- Energy saving rate can reach to 20%~50% Intelligent sleeping and low voltage awakening
- · Standard inverter solution, specific converter solution for air compressor, integrated cabinet solution for air compressor energy saving are optional



Machine Tool Industry

- Supporting 1000Kbps high-speed communication
- Drive spindle 180 thousand rpm successfully to operate
- For the spindle closed-loop control: the inverter with orientation servo features
- · For the spindle open-loop control: diversified vector control methods to adapt to various machine tools



Printing And Packaging Industry

- High performance vector control and torque control technology can achieve the constant linear speed control and constant tension control
- · Applicable for devices of cutting machine, coating machine, papermade machine, printing machine, compound machine, rolling dyeing machine, etc.
- Torque control without encoder speed feedback and it can replace torque motor widely



Municipal Engineering

- · Central air conditioning/refrigeration house: for constant temperature control, high efficiency of energy-saving, and low noise
- · Centralized water supply in constant pressure: Built-in one-for-all expansion card for water supply, multi-period water supply in constant pressure with timing loop, solving the phenomena of overflowing and water hammer in the switching process



· Various fan drives: Designed for the fan, high efficiency of energy-saving, noise optimization, built-in automatic speed tracking function, maximum power up to 800kW

Crane

- · Excelent torque control, reliable brake control sequence;
- Professional crane control functions: speed monitoring, torque monitoring, torque verification, power optimization, position processing, intelligent deceleration, etc.
- · Extensively apply to: port, shipping, ocean engineering, mine, architecture, metallurgy, factory and various kinds of industries' lifting machines.

Stone Processing

- · Simple and convenient operation, less connection line
- · Smooth running curve to reduce the board damage rate, smooth starting to reduce mechanical damage and maintenance costs
- · Providing the constant tension control for broken rope, main and auxiliary functions for frequency operation, safe stopping function, and alarm prompt function



Wood Processing

- · Built-in technology algorithm of rotary cutting machine, rolling machine, peeling machine
- · Wide voltage range, particularly suitable for harsh conditions in the rural power grid
- · High precision and fast rotary cutting to increase the yield under the premise of keeping the uniformity of thickness for the wood veneer
- · Stable and reliable work makes customers enjoy quality green



12 11

Textile industry

efficiency of production

equipment of varn winding

· Reducing the rate of breakage and improving the

Specially made external heat radiator, cotton easy

· Unique function of swing frequency is suitable for

· Rich indication signals: full indication, broken wire

indication, power failure indication, etc.



AST6100 Intelligent online soft starters



Product Features

- 1,Six group parameters convenient in one soft starter to different power motors load.
- 2,Dynamic fault recording function and Inspecting motor feedback to realize closed loop control to give best motor start up in different conditions and different loads.
- 3,A variety of ways starting:voltage RAMP starting way can get the maximum output torque;Current limiting can Realize Biggest Limitations of the Start soft starting
- 4,Reliable quality Assurance:using computer simulation design;SMT Production process;Electromagnetic Compatibility Excellent Performance;High temperature aging,Vibration Test before Delivery of the machine.
- 5,Perfect and Reliable Protection function:Loss of Voltage,less Voltage,over Voltage Protection;Overheating,too long starting time;Input phase Lost,lost ouptput phase,three phase imbalance;starting over current,overload and load protection short circuit,etc.
- 6,Modbus monitoring dynamic control starter,easy networking.
- 7,LCD screen can display parameter code, state and error.



General technical data

| Model | Voltage | Power | Current | Extern | al Dimension | ıs(mm) |
|-------------------|-----------|-------|---------|--------|--------------|--------|
| Wiodei | (V) | (KW) | (A) | W | D | Н |
| AST6100-S1-7.5-Z | 380V-480V | 7.5 | 15 | 150 | 202 | 330 |
| AST6100-S1-11-Z | 380V-480V | 11 | 23 | 150 | 202 | 330 |
| AST6100-S1-15-Z | 380V-480V | 15 | 30 | 150 | 202 | 330 |
| AST6100-S1-18.5-Z | 380V-480V | 18.5 | 37 | 150 | 202 | 330 |
| AST6100-S1-22-Z | 380V-480V | 22 | 45 | 150 | 202 | 330 |
| AST6100-S1-30-Z | 380V-480V | 30 | 60 | 150 | 202 | 330 |
| AST6100-S1-37-Z | 380V-480V | 37 | 75 | 150 | 202 | 330 |
| AST6100-S1-45-Z | 380V-480V | 45 | 90 | 150 | 202 | 330 |
| AST6100-S1-55-Z | 380V-480V | 55 | 110 | 150 | 202 | 330 |
| AST6100-S1-75-Z | 380V-480V | 75 | 150 | 172 | 220 | 355 |
| AST6100-S1-90-Z | 380V-480V | 90 | 180 | 210 | 253 | 394 |
| AST6100-S1-115-Z | 380V-480V | 115 | 230 | 210 | 253 | 394 |
| AST6100-S1-132-Z | 380V-480V | 132 | 260 | 490 | 295 | 608 |
| AST6100-S1-160-Z | 380V-480V | 160 | 320 | 490 | 295 | 608 |
| AST6100-S1-185-Z | 380V-480V | 185 | 370 | 490 | 295 | 608 |
| AST6100-S1-200-Z | 380V-480V | 200 | 400 | 490 | 295 | 608 |
| AST6100-S1-220-Z | 380V-480V | 220 | 450 | 490 | 295 | 608 |
| AST6100-S1-250-Z | 380V-480V | 250 | 500 | 490 | 295 | 608 |
| AST6100-S1-280-Z | 380V-480V | 280 | 560 | 490 | 295 | 608 |
| AST6100-S1-320-Z | 380V-480V | 320 | 630 | 490 | 295 | 608 |
| AST6100-S1-350-Z | 380V-480V | 350 | 700 | 680 | 408 | 840 |
| AST6100-S1-400-Z | 380V-480V | 400 | 800 | 680 | 408 | 840 |
| AST6100-S1-450-Z | 380V-480V | 450 | 900 | 680 | 408 | 840 |
| AST6100-S1-500-Z | 380V-480V | 500 | 1000 | 680 | 408 | 840 |
| AST6100-S1-630-Z | 380V-480V | 630 | 1200 | 680 | 408 | 840 |

Application industry

