Simphoenix
A. C. DRIVES

DL100 Series Universal Low-power AC Drive

- 400 W to 7.5 KW
- Dl100 series is a small general-purpose inverter small size, simple operation, complete protection functions, stable and reliable operation

DX100 Series Universal Low-power AC Drive

- 750W to 315 KW
- Open-loop vector inverter
- High performance, compact size, rich functions, convenient debugging, complete protection

E280 Series General Vector AC Drive

- (1.1 KW to 400 KW)
- Strong torque at low frequency. 200% start torque at 0Hz under VC control, 180% start torque at 0Hz under SVC control.
- Intuitive real-time monitoring to know nearly hundred kinds of parameters, like usage of electricity, running time, input & output, voltage and current, error record etc.
- Built-in several system macro and application macro, and it simplifies parameter setting by macro parameter calling.
- Software virtual I/O function with simple parameter setting, it configures virtual I/O flexibly that reduce external interference and simplify wiring.
- Abundant warning and protection functions.

CA100 series Servo Drive & CM105 Series Servo Motors

- 200 W to 10KW
- Position, speed, torque and multiple compound control.
- Available of 2500 P/R,17bit,20bit multiple encoder.
- Overload capacity up to 3 times.

E500 Series AC Drive

- 400 W to 9.0 KW
- SVC,V/F control.
- Highly adaptive to grid voltage, with endurable to ±20% fluctuation.
- Special self-adaptive control technology, allowing automatic current-limiting, voltage-limiting and under-voltage suppression during operation.

V800 Series High-performance Vector AC Drive

- 1.1KW to 800 KW
- Intergrated leading permanent magnet synchronous motor control algorithm.
- Low speed high torque output, 200% starting torque at 0 speed.
- Quick torque response, <5ms.
- Steady speed precision up to ±0.02%.
- Optional DP, CANopen, modbus for integrated automation.
- Independent airduct design, to ensure electrical isolation.
- Fully enclosed design of electrical part, multilayer conformal coating.

SINEE
DRIVES

AC Drives Em730

(0.4kW-450kW)
Single-phase/three-phase 220V-240V 0.4kW-2.2kW
Three-phase AC 340V-460V 0.75kW-450kW

The EM730 series inverter is a high-reliability general-purpose inverter launched by SINEE. EM730 supports three-phase AC asynchronous motors and permanent magnet synchronous motors. They support a variety of drive control technologies, such as the vector VF (VVF) control and speed sensorless vector control (SVC); speed output and torque output; and Wi-Fi access and background

Features of the EM730 series inverter:

1. Support the mobile APP and Wi-Fi module to facilitate inverter debugging and monitoring
2. Reliable operation with full load at 50°C ambient temperature
3. Integration of special functions for rewinding and unwinding
4. Support the high-frequency output up to 3000Hz for driving high-speed motors
5. Support the 100kHz high-speed pulse input
6. Metal substrate should adapt to the vibratory environment to reduce the induced voltage of the motor.
7. Built-in filter is close to Level C3.

Sinee have other Products also like Solar Pump Inverter, Servo Systems with Ethercat, Profinet, Canopen, Pulse, Analog Controlling, Dedicated VFD for Tension Control, Wire Drawing, Lifting, Hoisting, Ballmill, Air Compressor, Oil Pumping, Fan Control, Spindle, Permanent Magnet Synchronous

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Kuna Impex Pvt. Ltd.

Samkoon® PLC & HMI | DELIXI ELECTRIC | CHINT SWITCH GEAR | ESTUN SERVO DRIVES | Simphoenix A. C. DRIVES | SINEE DRIVES

AUTHORISED DISTRIBUTOR FOR INDIA

www.kunaimpex.com

Samkoon®
PLC & HMI

SK SERIES HMI

- Based on Linux system, which is stable, efficient, safe and reliable
- Industrial high-performance Cortex A7 processor up to 1GHz.Dual core
- High capacity 256MB FLASH+128MB DDR3
- support external U disk storage
- Support WIFI/4G/Ethernet
- Support multiple communication modes RS232/422/485, Ethernet, WIFI,4G
- Support usb download, Ethernet download disk update configuration
- Support multi-group formula, multi-window Function
- Support shorthand collection, data alarm Function
- Support macro instruction based on C language development
- Support more than 300 PLC communication Protocols
- 16,770,000 true colour display

GT SERIES ALL IN ONE

Compact and space-saving

- The combination of HMI + PLC functions, a new operating experience
- Transistor/relay output
- Screen configuration, ladder diagram programming integrated
- Maximum 4 channels high-speed calculation, maximum support
- of 4 channels of 100KHz pulse output
- Plug-in expandable up to 8 temperature inputs, supporting thermocouple/PT100
- I/O plug-in expandable up to 16 IO points
- Support multiple communication modes(RS485, Ethernet, WIFI,4G)

R8 SERIES SERVO DRIVER & HK SERIES SERVO MOTOR

Current sampling up to 16kHz

- Pulse-type velocity loop bandwidth up to 1.3kHz
- Bus-type speed loop bandwidth up to 1.6kHz
- High response control based on torque feedforward can reduce the position adjustment time to 5-6ms
- Support 17 bit single-turn/multi-turn absolute encoding
- Support 23 bit single-turn/multi-turn absolute encoding
- Multiple turns can memorize the absolute position of 65, 535 turns
- 2x100Mbps (full duplex)
- Simple wiring
- Refreshing time: 100 axes × 1us/axis transmission delay = 0.1ms:
- Support 1ms synchronization period, less than 1ms can support 250μs integer multiples of the same period
- Self-adjustment of rigidity table parameters + feedforward to improve response
- Offline/online inertia identification optimization response curve
- Support USB download, U disk update configuration

FGR SERIES MINI PLC

- Slim design, compact and practical
- Suitable for tight spaces and cost effective
- Flexible and comprehensive performance
- Fast, safe and reliable data processing

FAT SERIES PLC

- Ethernet interface, support Modbus TCP/IP protocol
- RS485 communication port, support Modbus RTU and free communication protocol
- 1 full speed USB download port
- Download, monitor and debug PLC from any communication port Ethernet host
- Supports 4-way high-speed pulse output, 8-way high-speed counting input, with powerful motion control function.
- Based on the right expansion module of CAN communication, the maximum communication rate can reach 1Mbps, and 64 expansion modules can be expanded.
- The expansion module can be used as an independent control unit to run the program

PRO SERIES BUS PLC

- Built-in 32-point IO, while supporting local 8-axis high-speed pulse output and 16-way high-speed counting;
- Support Ether CAT nanosecond real-time network master protocol stacks with a minimum setup system cycle of 500us;
- Support ladder diagram-based motion control MC instructions of IEC61131-3;
- Support mapping programming for large-scale hardware configuration, reducing the difficulties of field wiring and line changing;
- Support electronic gear, multi-axis interpolation, electronic cam and other functions.

FAS SERIES PLC

- The hardware is based on 32-bit microcontroller with Arm® Cortex®-M4 core,200MHz main frequency,
- Compiled underlying software guarantees a very short scan cycle,
- its execution speed is more than 10 times that of interpreted PLC with the same configuration

FGS SERIES STANDARD PLC

High Speed, more than 10 times faster compared to interpreted architecture

- Pulse and high speed counting upto200KHz frequency
- Support 8 extended modules
- Various of communication interface Support RS232, RS485, USB, free port and Modbus Master-slave mode to achieve networking, up to connection with 127 communication devices
- Large storage Support more than 20,000 Lines of user's program storage,16 Kbyte power-off storage area
- The external real-time clock chip is used to make the clock more accurate

MOTION CONTROLLER PLC

- Support interpolation and electronic concave wheel function
- 12 high-speed Input,10 high-speed Output
- Support 8 extended module

DELIXI
ELECTRIC

CDM3S MCCB

Amp: -10～1250A
Poles: -3,4
Type
Thermal magnetic Electronic type.
IEC/EN60947-2.

CJX2S Contactors

Amp: -6 ～630A
Poles: -3
IEC 60947-4-1

CDP6 MPCB

Amp: -0.1A～93A
Overload protection
Phase failure
Short circuit protection
IEC60947-2/IEC 60947-4-1

JRS1DSP Overload Relays

Amp: -0.1A～93A;
IEC 60947-4-1

CHINT
SWITCH GEAR

NM1 MCCB

Amp: -10～1250A
Poles: -1,2,3,4
Thermal magnetic Electronic type.
IEC/EN60947-2.

NXM MCCB

Amp: -63～1600A
Poles: -2,3,4
Thermal magnetic Electronic type
IEC/EN60947-2.

eBG MCB

Amp: -1A～40A
Poles: -1,2,3,4
C Curve
Overload Protection
Short Circuit Protection
IEC60898-1

NB1 MCB

Amp: -1A～63A
Poles: -1,2,3,4
B, C, D Curve
Overload Protection
Short Circuit Protection
IEC60898-1

NXC Contactors

Amp: -6 ～630A
Poles: -3,4
IEC/EN 60947,IEC/EN 60947-4-1,IEC/EN 60947-5-1

Cj19 Contactor

for Capacitor Switching
KVAR:-12.5 ～90
Poles: -3
IEC/EN 60947-4-1

NL1-63 RCCB

Amp: -25A～63A
Sensitivity: -A, AC Class
Poles: -2,4
30,100,300ma
IEC61008-1

NJYB3 Protection Relays

Over /Under voltage protection
Unbalance Protection
Phase Sequence Protection
Phase Failure Protection
PTC Temp Protection

NC1 Contactors

Amp: -9 ～95A
Poles: -3,4
IEC/EN 60947-4-1

Nc2 Contactors

Amp: -115～800A
Poles: -3,4
IEC/EN 60947-4-1

NXA ACB

Amp: -400A～6300A
Poles: -3,4
Electronics Release

NXR Overload Relays

Amp: -0.1A～630A;
IEC/EN 60947-4-1
IEC/EN 60947-5-1

NS2 Motor Starter

Amp: -0.1A～80A
IEC/EN 60947-2
IEC60947-4-1

NQ3 DOL Starter

Up to 11Kw
IEC/EN60947-4-1

NXZM ATS

Amp: -10A～800A
Poles: -3,4
IEC 60947-1
IEC-60947-6-1

NR2 Overload Relays

Amp: -0.1A～630A;
IEC/EN 60947-4-1

ESTUN
SERVO DRIVES

ED3L Series Servo Drive

- Current Loop Cycle 62.5μs, faster Response and Better performance
- Ethercat Minimum Communication Cycle 125 μs
- Achieve Full Frequency Vibration Suppression from 1hz to 500`0hz

Controllers

- Back gauge and Block Control
- Control for general AC Motors
- Intelligent Positioning, Stock Counters
- Holding/Decompressing Time Settings
- Program memory of up to 40 programs up to 25 steps per program

Servo Motor

- EM3J 200W～1000W power, Medium inertia, high speed
- EM3G 850W～7.5kW power, Medium inertia, large torque
- Support 17bit incremental encoder, 23bit absolute encoder
- Ip65protection grade, Standard with oil seal.

Electro-Hydraulic Hybrid Servo Drive System

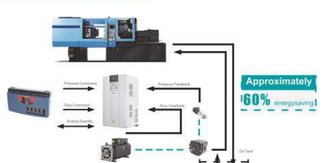
(8.7KW-160KW)

- Oil supply on demand to avoid energy waste from overflow.
- Minimal power consumption, Noise during standby when the motor is not rotating.
- Adoption of low-noise internal gear pumps and four-quadrant axial piston pumps to reduce operational noise.
- Precise control of torque and speed of servo motor for high-precision pressure and flow control.
- Minimal oil temperature variation for improved system reproducibility.
- Reduced hydraulic oil usage by 75% compared to valve systems
- Elimination of 75% of the oil tank volume compared to open hydraulic circuits.
- No need for regular lubrication of ball screws compared to pure electric drives.
- Reduced hydraulic oil usage requirements compared to servo valve systems, extending the lifespan of hydraulic components

Complete solutions for robots in various industries

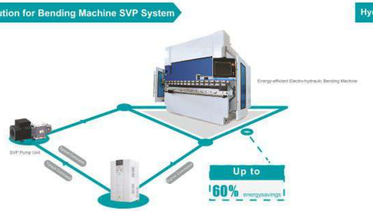
Focusing on the digital application needs of smart factories, Estun has comprehensively extended upwards to create a complete digital solution for the whole life cycle, and provide digital products and services in production line design, simulation and verification, integrated delivery, and smart factory operation and maintenance. Estun has built the E-Noesis cloud platform, which provides digital functions covering process quality inspection and optimization, fault early warning analysis, remote operation and maintenance, etc., making equipment parameters, process parameters, production capacity and quality and other data transparent, and providing users with digital core.

Solution for Injection Molding Machine



Solution for Bending Machine DSVP System

Solution for Bending Machine SVP System



Hydraulic Energy-saving Solution