



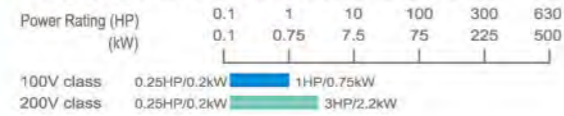
System
Automation
Catalog

Distributor

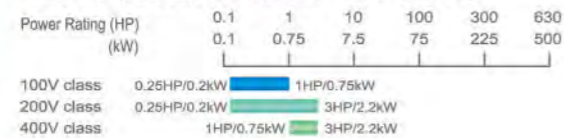
03 **TECO Introduction**

Product Catalog
Drive

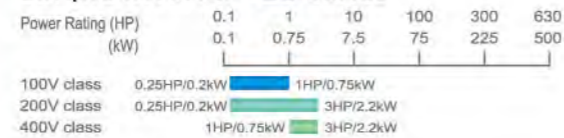
05 **Compact Inverter - L510 Series**



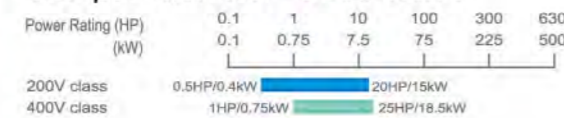
07 **Micro Vector Inverter - EV Series**



08 **Simple Inverter - E2 Series**



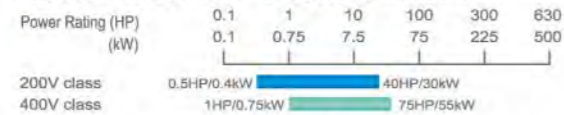
09 **Compact Inverter - E510 Series**



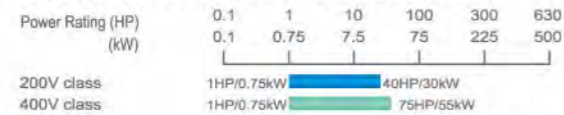
11 **Vector Inverter - N310 Series**
Compact Vector Inverter - E310 Series
Compact Inverter - S310 Series



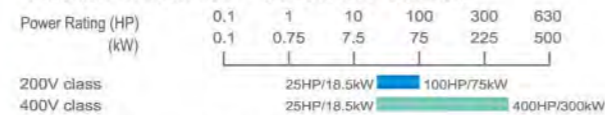
13 **Vector Inverter - 7300CV Series**



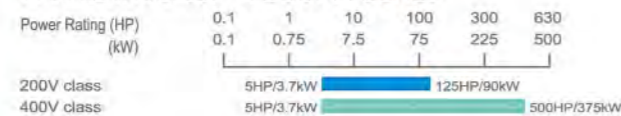
Vector Inverter - 7200MA Series



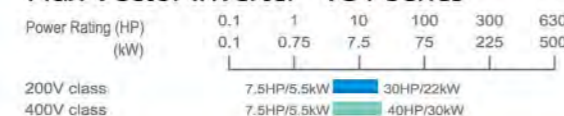
14 **Vector Inverter - 7200GS Series**



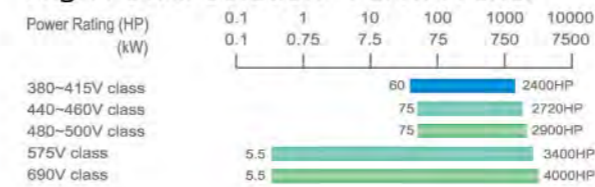
HVAC Inverter - 7300PA Series



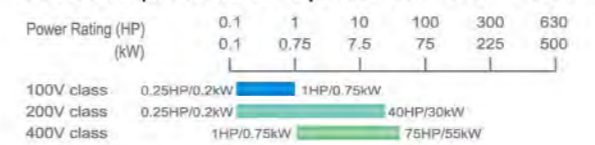
15 **Flux Vector Inverter - V31 Series**



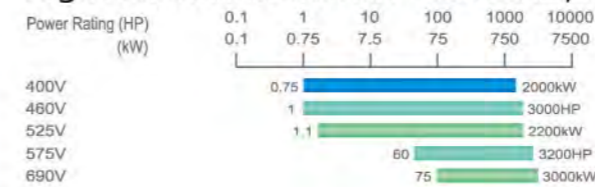
17 **High Power Solution - PENTA Series**



19 **Constant-pressure Pump Inverter - CVP & EVP Series**



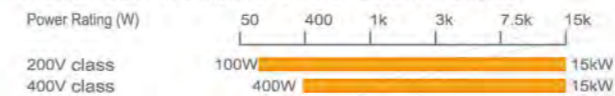
21 **High Performance Inverter - V33 Series/HVAC Inverter - F33 Series**



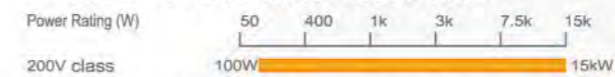
22 **Softstarter**
Medium Voltage Motor Softstarter - MVCPLUS Series



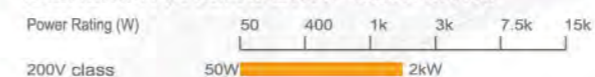
23 **Servo**
Advanced AC Servo Drive - JSDA+ Series



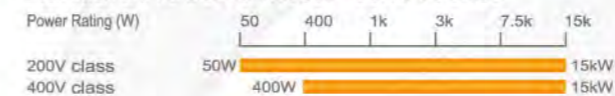
25 **Standard AC Servo Drive - JSDA Series**



Economic AC Servo Drive - JSDE Series



Standard AC Servo Motor - JSMA Series



27 **Control**
Programmable Logic Relay - SG2 Series



28 **Programmable Logic Controller - TP03 Series**



29 **Global Branch Office/ Production**

Look forward Think global

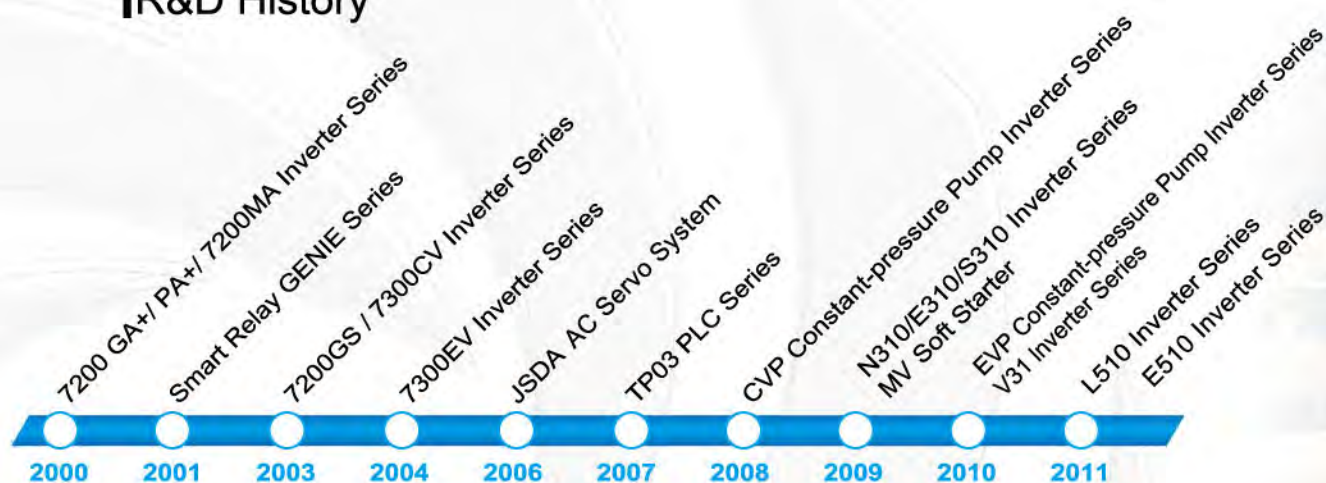


TECO Electric & Machinery System Automation

Since its foundation in June 1956, TECO Electric and Machinery Co., Ltd. has never rested on the laurels of its own success. TECO started out as an industrial motor manufacturer 45 years ago. Over the years, it has successfully diversified into a conglomerate with worldwide business operations. TECO is not only renowned as a leading heavy electrical industrial brand, but also as a leading manufacturer of home appliances, telecommunications equipment, IT systems, electromechanical components, and commercial electronics. Not satisfied with producing motors or limited by home appliances, the TECO Group is also committed to medical information systems, e-commerce, semiconductor, optronics, network, software, infrastructure, financial investment, food services, and distribution industries, becoming a globalize, high-tech enterprise group. TECO group has about 30 subsidiaries and affiliations across Asia, America and Europe, employee total over ten thousand. TECO is forever dedicated to long-term development, creating new competitive advantages, enhancing service quality, developing top-flight personnel, and creating outstanding products.

System Automation Division is funded in the spirit of creation and development. The division initially expanded from basic power distribution components to planning, designing and construction. Based on our inverter expertise, SA Division has also put a lot of effort into industrial control technology to further integrate automatic systems, such as machine factories, iron and steel factories, semi-conductor factories, TFT factories and mechanical & electrical project contracts. With the trend of intelligent buildings and home automation, we are looking forward to developing 3A (FA-Factory Automation, BA-Building Automation, HA-Home Automation) products and services in the near future.

R&D History



System Automation Division



Nan-Kang Software Park

Established
March 1969 Taian Electric Co.,Ltd
October 2003 Taian Electric Co.,Ltd. merged with TECO
No. of Employees 305
Company Vision

- Constant Development**
- Eco-friendly**
- Client Orientation**
- Complete Post-sale Service**
- Integral System Automation Service**

The forerunner of TECO SA was Taian electric, which was founded in March 1969 and merged with TECO in October 2003. Ever since its establishment, SA never stops making contributions towards the industrial automation technology. SA's products include AC/DC Motor Controllers, molded-case circuit breakers, switchgear, AC frequency inverters, programmable logic controllers and servo drivers. The sturdy automation appliances not only meet the fundamental safety requirement, but provide an integral automation solution which is highly energy-efficient.

With the abundant resource of the TECO Group, SA will expand its global branches to provide client-orientated post-sale service. Through constant innovation and investment in research, SA aspires to become one of the most outstanding business groups in the world.

L510 Series Compact Inverter



Received prestigious Taiwan Excellence Award 2011 for outstanding design and unique features.

Features

- 32 bit CPU design provides high performance, faster A/D conversion and torque compensation
- Output frequency up to 600Hz
- Built-in Modbus RS485 communication for one to one and one to many control
- Communication interface modules for Profibus/ DeviceNet/ Ethernet(TCP/IP)/ CANopen
- Built-in digital display and keypad including speed adjustment potentiometer
- RJ45 interface for PC and copy module
- Built-in EMI filter. For interference suppression in compliance with (IEC) EN61800-3
- Compact space saving design for side by side installation. Plus optional Din rail mounting kit
- PID feedback control built-in
- Suitable for conveyors, computerized knitting machines, food packaging machines, simple windmills and pumps
- Full protective functions
- Fanless design can effectively avoid objects entry to extends product life
- Rapid stop function built-in complying with global standard
- Earthing terminals built-in into heatsink to effectively provide grounding protection
- Flip form communication interface for easy link and dust-proof feature, with operational and protective functions
- Auto Carrier frequency change to limit inverter over temperature

Adjacent Installation

Highly efficient heat dissipation for space-efficient feature



Strong Communication Ability



▲ Ethernet (TCP/IP)

▲ DeviceNet

▲ Profibus

Applications



▲ Computerized Flat Knitting Machine



▲ Packaging Machine



▲ Conveyor



▲ Reflow



▲ Filling Machine



▲ Recoiler

Power Rating	0.2kW 0.25HP	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP
L510	100V 1 phase				
	200V 1 phase				
	200V 3 phase				

EV Series Micro Vector Inverter

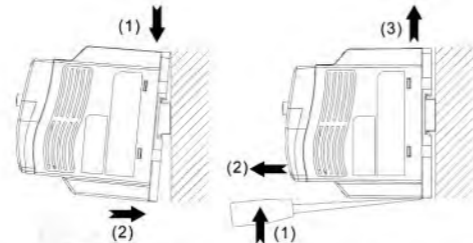


Features

- Sensorless vector control with high starting torque
- PID and 8 preset speed function built-in
- 24V/50mA separate power supply built-in for external control terminals
- IP20 and IP65 enclosures adaption to enables ambient conditions
- Flexible and various expansion modules available for RS232, RS485, external display, Copy Unit and I/O card
- EMC filter built-in, complies with UL and CE global safety standards



Side-by-side space-efficient installation



Integrated Din-Rail design for easy installation

Power Rating	0.2kW 0.25HP	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP
EV	100V 1 phase				
	200V 1 phase				
	200V 3 phase				
				400V 3 phase	

Applications

- Metal Processing Machinery**
Crusher, Drill, Small Lathe Machine, Small Milling Machine
- Rubber and Plastic Machinery**
Mechanics Arms, Plastic Inflation Machine, Rewinder
- Other Machinery**
Treadmill, Vibratory Machine, Pulverizer, Mixer, Packing Machine, Centrifuge

E2 Series Simple Inverter



Features

- User-friendly and easy operation
- 16KHz carrier frequency used to reduce motor noise
- Standard braking transistor built-in (Model 202/203/401~403)
- Din-Rail design for side-by-side space efficient installation
- IP20/IP65 enclosure designs for all ambient conditions
- EMC filter built-in, complies with UL and CE global safety standards
- Honor of National Awards of Excellence

Power Rating	0.2kW 0.25HP	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP
E2	100V 1 phase				
	200V 1 phase				
				200V 1/3 phase	
				400V 3 phase	

- Material Handling Machinery**
Conveyor, Elevator Door, Escalator, Feeder, Small Lift, Auto-roller Shutter, Guided Vehicle
- Textile Machinery**
Rotary Traverse Winder, Guide Roller, Knitting Machine, Braiding Machine/Bags-Weaving machine, Circular Loom, Printing Machine, Placer
- Woodworking Machinery**
Turning Lathe Machine, Shaper, Drill, Woodcarving Machine, Simple Slicer

E510 Series Compact Inverter



Integrated Infinite Functionalities



- Auto-Carrier Freq.
- Parameter Lock
- Energy Saving
- Static Autotuning
- MODBUS RTU/ASCII
- PID Control
- Auto Program Running
- Soft-PWM
- Fire Mode
- Braking Transistor
- Safety Stop
- EMC Filter
- PLC Func.
- Auto Voltage Regulator
- IP20/IP65
- Sensorless Vector Control
- Power Loss Ride Through
- DC Injection Braking
- 32bit MCU

Features

- 32bit RISC processor and latest generation of sensorless vector control technology provide outstanding torque response at low speed
- Internal EMC filter in compliance with IEC/EN 61800-3 standard
- Built-in braking transistor for whole series
- Support Soft-PWM modulation method to create an even more quiet industrial environment
- Waterproof type (IP65/NEMA4) can withstand harsh environments
- Integrated Safety Stop and Fire Mode functions
- Built-in Modbus RTU/ASCII communication with standard RJ45 connector for one-to-one or one-to-many control
- Optional fieldbus gateways support Profibus-DP, DeviceNet and Ethernet (TCP/IP)
- Built-in PID function and sleeping mode for fan or pump applications
- Support parameter lock function prevents unauthorized access
- Built-in PLC function for simple sequence or process control applications
- Auto carrier frequency switching to protect inverter being over temperature
- Intuitive and ease-of-use parameter group designs for fast installation and commissioning

Power Rating	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP	3.7kW 5HP	5.5kW 7.5HP	7.5kW 10HP	11kW 15HP	15kW 20HP	18.5kW 25HP
E510	200V 1/3 phase									
	200V 1 phase									
				200V 3 phase						
			400V 3 phase							

* IP65/NEMA4 models are under development.

Applications

- Textiles
- Woodworking
- Small Handling Machine
- Simple Metal Processing
- Machine Tools
- Packaging & Labeling
- Food processing
- Fans & Pumps
- HVAC



310 Series Vector Inverter



N310 Series - Vector Inverter Features

- Wide power range from 0.4~160kW
- Built-in advanced Vector Control, speed control range 1:100(0.5~50Hz)
- Ultra Low Noise Operation with Built-in SOFT-PWM
- Higher reliability and environment immunity with coated PCB
- Built-in RS485 communication
- Global communication options such as: Profibus DP, DeviceNet™
- 5 digit 7 segment removable keypad with standard RJ45 interface
- Copy unit option, is available for parameter copying
- PID Control Function is Built-in

E310 Series - Compact Vector Inverter Features

- With auto torque boost, 150% torque output at 1 Hz
- Output frequency up to 400Hz
- Speed Control / Precision is 1:100(Vector) / ±0.5%(Vector)
- Improved braking Capability with Built-in Braking Transistor
- Built-in RS485 communication
- 5 digit 7 segment removable keypad with standard RJ45 interface
- Cooling by heat sink, eliminating noise from fan

S310 Series - Compact Inverter Features

- With auto torque boost, 150% torque output at 6 Hz
- Output frequency up to 400Hz
- Ultra low noise operation with built-in SOFT-PWM
- Improved braking Capability with Built-in Braking Transistor
- Built-in RS485 communication
- 5 digit 7 segment removable keypad with standard RJ45 interface
- Cooling by heat sink, eliminating noise from fan
- Economy model (Without display/keypad) is available

Applications



Power Rating	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP	3.7kW 5HP	5.5kW 7.5HP	7.5kW~100kW 10HP~150HP	125kW 175HP	160kW 215HP
N310	200V 1/3 phase								
	400V 3 phase								
E310	200V 1/3 phase								
	400V 3 phase								
S310	200V 1 phase								

7300CV/7200MA/7200GS Series Vector Inverter

7300PA Series HVAC Inverter



7300CV Series Features

- V/F control mode with starting torque up to 150%/1Hz
- PLC with ladder logic built-in
- Standard LED keypad built-in (optional LCD keypad with five language display)
- PID feedback control built-in
- Built-in EMC(Class A) can be upgraded to Class B with an external EMC filter
- Built-in braking transistor provides higher braking torque
- Copy unit function for easier parameter copying
- PC (Windows) & PDA (Win CE) link function
- RS485 communication interface- Standard Modbus RTU/ASCII communication protocol



7200MA Series Features

- High-performance general-purpose vector inverter with dual rating, overload protection and energy saving function
- Standard LCD keypad built-in with parameter copy function
- High starting torque for automatic torque control and automatic slip compensation
- Standard RS-485 communication interface- Modbus built-in, Profibus supported by option card
- Built-in PG feedback card for V/F close-loop control to increase speed accuracy
- 2 selectable analog output interfaces with 11 different analog output signals
- Coating protection is available for harsh environment



Power Rating	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP	3.7kW 5HP	5.5kW 7.5HP	7.5kW 10HP	11kW 15HP	15kW 20HP	18.5kW 25HP	22kW 30HP	30kW 40HP	37kW 50HP	45kW 60HP	55kW 75HP
7300CV	200V 1 phase														
	200V 3 phase														
	400V 3 phase														
7200MA	200V 1/3 phase														
					200V 3 phase										
	400V 3 phase														

7200GS Series Features

- Maximum 400HP motor output power
- Sensorless vector control mode with motor parameter autotuning for better performance
- Standard LCD keypad built-in with Chinese & English display and optional LED keypad
- PID feedback control function built-in with automatic energy saving
- DC Choke built-in in all models for harmonic current suppression
- Optional PG feedback card for closed-loop control to increase speed accuracy
- RS485 communication interface, with optional Profibus communication card



7300PA Series Features

- Designed for variable torque application, with PID sleep and auto energy saving function
- Input and output phase loss protection
- Built-in LCD keypad used as copy unit
- With PF, kW, kWhr, motor elapsed run hour monitor function for easy maintenance
- RS-485 communication built-in. Modbus, Profibus, Lonworks and Metasys N2 protocol supported by option card
- PA-PID (1-8 relay card) and PA-V2A (4~20 mA current output) for option
- Built-in motor thermistor input



Power Rating	3.7kW 5HP	5.5kW 7.5HP	7.5kW 10HP	11kW 15HP	15kW 20HP	18.5kW 25HP	22kW 30HP	30kW 40HP	37kW 50HP	45kW 60HP	55kW 75HP	75kW 100HP	90kW 125HP	110kW 150HP	132kW 175HP	160kW 215HP	185kW 250HP	220kW 300HP	300kW 400HP	375kW 500HP			
7200GS					200V 3 phase																		
							400V 3 phase																
7300PA	200V 3 phase																						
	400V 3 phase																						

V31 Series FOC Inverter



Received prestigious Taiwan Excellence Award 2011 for outstanding design and unique features.



Model Designation

JNV31	4	0014	H	3	F	N4
V31	Rated Voltage	Output Current	Braking Transistor	Input Power Source	Filter	Enclosure
	2 : 200V Level 4 : 400V Level	0014 : 14A 0096 : 96A	H : None B : Built-in	3 : 3Phases	Blank: None F: Filter and DCL Built-in D: DCL Built-in only	Blank : IP20(NEMA1) N4 : IP55(NEMA12)

Power Rating

Power Rating	5.5kW 7.5HP	7.5kW 10HP	11kW 15HP	15kW 20HP	18.5kW 25HP	22kW 30HP	30kW 40HP
V31	200V 3 phase						
	400V 3 phase						

Applications

- **Industrial Tools**
Punching Machine, Extrusion, Molding Machine
- **Tension Control**
Drawing Machine, Recoiler, Printer

- **Gravitational Load**
Elevator, Crane, Hoist, Escalator, Automatic Parking Equipment

Features



- Control and protection circuit separation with 32 bit MCU and ASIC dual-core design
- Speed control response bandwidth up to 30Hz

ASR can adjust speed control loop, which effectively suppresses overshoot and improves speed response



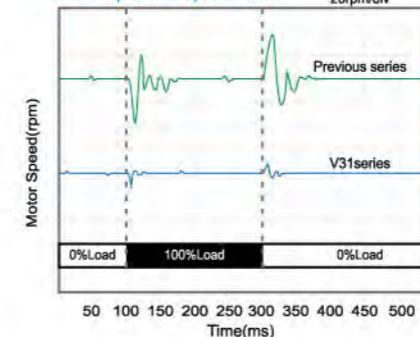
- High performance field-oriented control, with 4 quadrant torque control capability
- Built-in PG feedback interface for to highspeed and highly accurate for closed-loop control
- Motor position, speed and torque control functions

FOC algorithm achieves the feature of excellent control. SLV control mode has a high starting torque at 200%/0.6Hz

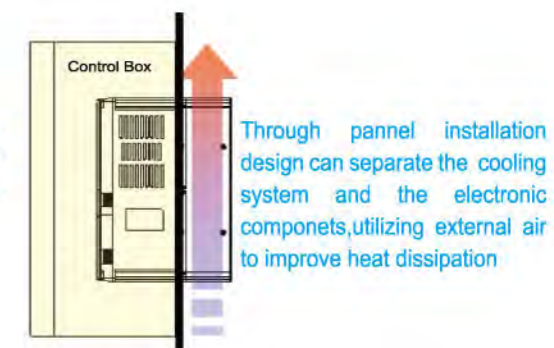
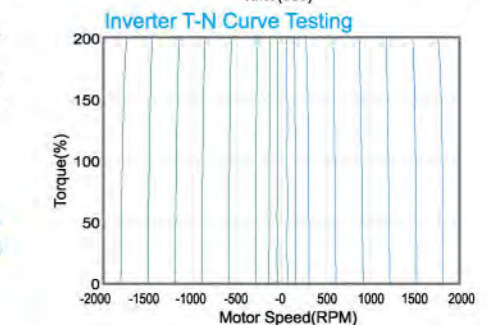
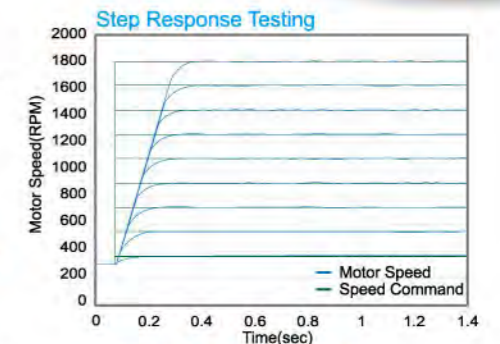


- 10 year long-life design
- IP20(NEMA1)/IP55(NEMA12) enclosure designs for all ambient conditions
- Intelligent voltage control function avoids nuisance tripping in over voltage condition
- CE and UL global safety standards

Low Speed Impact Test



At low speed, Rapid responds effectively suppresses speed fluctuation when encountering impact from load.



- User-friendly motor parameter autotuning with revolving and static autotuning to significantly reduce setup time
- Easy parameter group planning with the function of customize parameter setting
- Standard LCD keypad built-in with parameter copy function
- Built-in mini USB terminal to link to PC communication with DriveLink for maintenance and monitoring



- RTC function built-in for time zone control
- EMC filter and DC reactor built-in to effectively suppress noise interference and high-frequency harmonics
- Standard braking transistor built-in with the access for external braking resistor to increase the braking torque
- Standard Modbus communication interface built-in
- Built-in RFI jumper for IT mains
- Dual-Rating design for CT and VT applications

PENTA Series High Power Solutions



1 Product 4 Overloads 5 Functions
Wide Voltage Input 380Vac- 690Vac
Power Range 2.2 - 3000kW

4 Different Overloads

Every single inverter can be applied to 4 different size of motor power according to the rating required by the load

Light 144% Irate	Standard 168% Irate	Heavy 210% Irate	Strong 240% Irate
------------------	---------------------	------------------	-------------------

5 Integrate Functions

IFD (Inverter Frequency Drive)

Vector modulation function for generic applications (V/F pattern)

VTC (Vector Torque Control)

Sensorless vector function for high torque performance applications (direct torque control)

FOC (Field Oriented Control)

Vector function with encoder for high torque precision and wide speed range

SYN (Synchronous)

Vector function for brushless synchronous motors with permanent magnets characterized by high torque precision joined to high energy efficiency level

RGN (Regenerative)

Sinusoidal $\cos\phi=1$, AC/DC supplier function for direct supply of a series of drives



Features

PC-compiled software for the programming of more than 20 application functions (optional board needed)

PID Function/ Secondo PID Function / 2-zone PID for different applications

Integrated filters on the full range in compliance with EN61800-3 2nd ed. about RFI emission limits

STO (Safety Torque Off) function with SIL2 safety level as defined in IEC61508:2000 and Cat.3 as in EN95-1

Fire mode

Integrated braking chopper up to S30

Regulation of output frequency from 0 to 1000Hz

In case of power failure, total control of the motor, down to 0 RPM

Master-slave function for the operation of several motors connected to the same drive shaft (VTC and FOC)

200% max torque

Enclosure IP00, IP20, IP54

Metal case

3 years warranty

Applications

- Agitator
- Conveyor
- Crusher
- Fans & Pumps
- HVAC

- Compressor
- Drill
- Elevator
- Hoist & Crane
- Mill



Power Rating	4kW 5.5HP	7.5kW 10HP	~	45kW 60HP	55kW 75HP	75kW 100HP	~	375kW 500HP	450kW 600HP	640kW 850HP	~	1750kW 2400HP	2000kW 2720HP	2100kW 2900HP	2500kW 3400HP	3000kW 4000HP
PENTA	380~415V															
	440~460V															
	480~500V															
	575V															
	660~690V															

Standard Overload

CVP&EVP Series Constant-pressure Pump Inverter



Ultra low Noise

Reduce noise from compressor start/stop operation by using PI controller to control pumps



Friendly display design

Pressure setting and feedback showed on 4 digit LED for easy setting and feedback monitoring



Pump parameter design

Special parameters are specifically designed for constant-pressure pumps, eg. 'NO' water detection and leak detection, with user-friendly operation. By setting motor's protection parameter, it ensure long motor life and easier operation

Global safety standard

Compliance with UL, cUL and CE standards allows an expansion of sales network



Easy maintenance

Explicit control structure makes maintenance easy and quick supported by TECO's global service networks



Size optimized

One of most compact driver with space-efficient feature to reduce installation costs



Energy Saving

Ultra Low Noise



Energy saving

The tolerance of pressure deviation is adjustable to lower the frequency of start/stop to further achieve energy saving



Stable pressure

Constant pressure water supply prevents water pressure fluctuations at peak time or off-peak times for best water supply efficiency



Auto-switching function

PID function with multi pump switching ensures constant pressure to meet demand variation; Even if drives are out of services



up to 4 pump control via serial connection

Power Rating	0.2kW 0.25HP	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP
EVP	100V 1 phase				
	200V 1 phase				
	200V 3 phase				
	400V 3 phase				

Power Rating	0.4kW 0.5HP	0.75kW 1HP	1.5kW 2HP	2.2kW 3HP	3.7kW 5HP	5.5kW 7.5HP	7.5kW 10HP	11kW 15HP	15kW 20HP	18.5kW 25HP	22kW 30HP	30kW 40HP	37kW 50HP	45kW 60HP	55kW 75HP
CVP	200V 1 phase														
	200V 3 phase														
	400V 3 phase														

V33 & F33 Series High Performance & HVAC Inverter



V33 Features

- Full control of your power
- Protective and efficient starts
- Controlled ramping for safe start-up
- Direct torque control eliminates fluctuation
- Protection against damage and downtime
- Speed controller increases efficiency
- Safe and efficient braking

F33 Features

- Secure the flow and protect your equipment
- Protective starts and stops
- Protection against damage and downtime
- Save energy with variable speed control
- Sleep function optimizes operation
- Automatic pump rinsing increases efficiency
- Multiple control for efficiency and reliability

V33 Applications

- Cranes
- Crushers
- Mills
- Mixers

F33 Applications

- Pumps
- Fans
- Compressors
- Blowers

Power Rating	0.75kW 1HP	1.1kW 1.5HP	1.5kW 2HP	~	45kW 60HP	55kW 75HP	75kW 100HP	90kW 125HP	~	450kW 600HP	525kW 700HP	600kW 800HP	~	2000kW 2667HP	2200kW 3000HP	2400kW 3200HP	3000kW 4000HP
V33	400V 3 phase																
F33	480V 3 phase																
	525V 3 phase																
	575V 3 phase																
	690V 3 phase																

MVCPLUS Series Medium Voltage Motor Softstarter



Features

- Advanced motor protection relay and ramp features programmable via the keypad or a laptop computer
- Fiber optically isolated low voltage compartment with up to 110kV BIL rating for safety and reliability
- Built-in 120V control power transformer ;voltage and current metering
- Load-break / fault-make rated disconnect switch with door safety interlocking
- Visible grounding bar for safe operation
- Coordinated motor fuses with blown fuse indicators
- Line isolation vacuum contactor
- Fully rated bypass contactor for increased thermal capacity and optional across-the-line motor
- Heavy duty SCR stack assemblies with ring transformer isolation for reliable SCR gate firing
- RTD Option accepts up to 12 RTD inputs
- Zero sequence ground fault protection option
- Top entry ,bottom exit with room for stress cones. Removable entry plates for easy connections
- NEMA 12 gasketed enclosure (NEMA 3R optional)

Applications

- Heavy loads
- Tough environments
- Any power conditions
- Reactor-less operation

Volts	Power Ratings			Std MVC3 Class E2 Motor Controller			Optional Motor Controller Only				
	Max. Amps	Nominal Max.HP	KW	Model	NEMA 12/3R			Model			
					H	W	D	H	W	D	
2300	200	800	500	MVC3-23200-E-SWG	36			MVC3-23200-E			
	400	1500	1000	MVC3-23400-E-SWG	92	36	30	MVC3-23400-E	92	36	30
	600	2500	1900	MVC3-23600-E-SWG		72		MVC3-23600-E			
3300	200	1000	600	MVC3-33200-E-SWG	36			MVC3-33200-E			
	400	1800	1200	MVC3-33400-E-SWG	92	36	30	MVC3-33400-E	92	36	30
	600	3000	2200	MVC3-33600-E-SWG		72		MVC3-33600-E			
4160	200	1250	1000	MVC3-41200-E-SWG	36			MVC3-41200-E			
	400	2500	2000	MVC3-41400-E-SWG	92	36	30	MVC3-41400-E	92	36	30
	600	5000	3750	MVC3-41600-E-SWG		72		MVC3-41600-E			
6000/ 7200	200	2500	2000	MVC3-60200-E-SWG				MVC3-60200-E			
	400	5000	3750	MVC3-60400-E-SWG	92	72	30	MVC3-60400-E	92	72	30
	600	7500	5600	MVC3-60600-E-SWG				MVC3-60600-E			
11-15KV	300	7500	5700	MVC3-130300-E-SWG	Contact factory			Contact factory			
	600	15000	11000	MVC3-130600-E-SWG	Contact factory			Contact factory			

*Larger Units Quote on Request

JSDA⁺ Series AC Servo Drive System

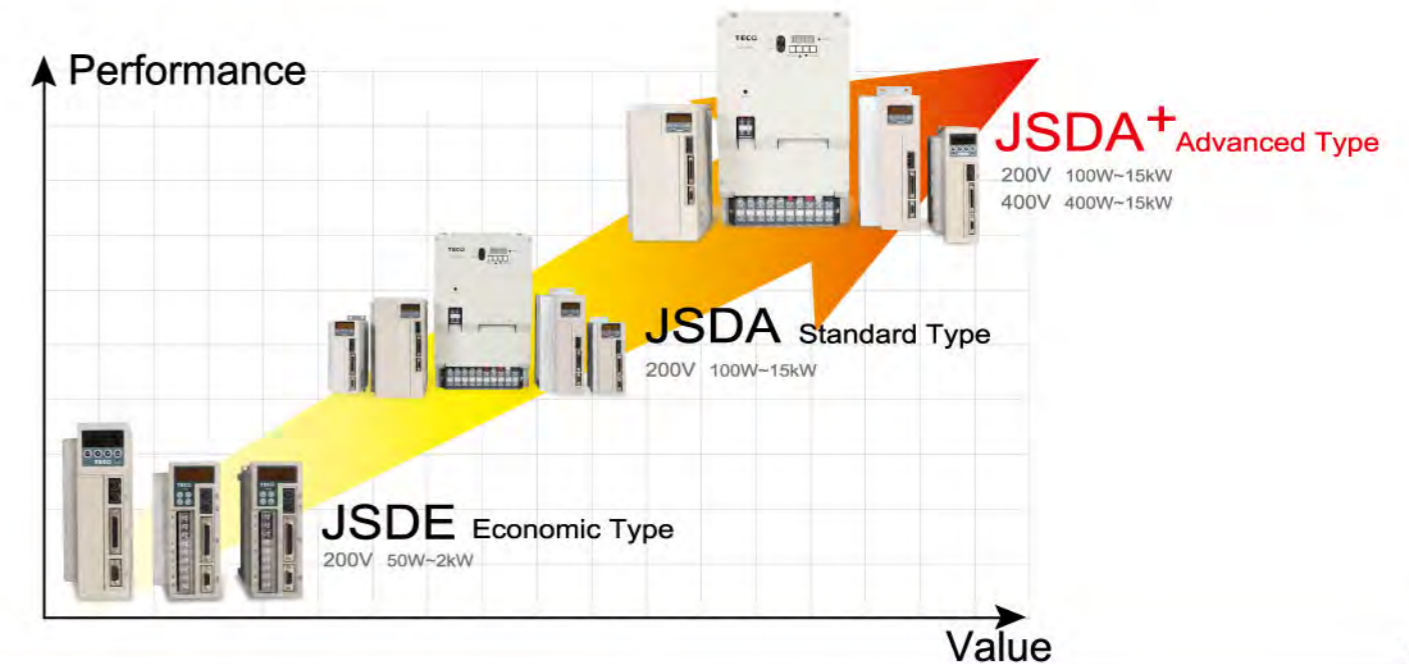
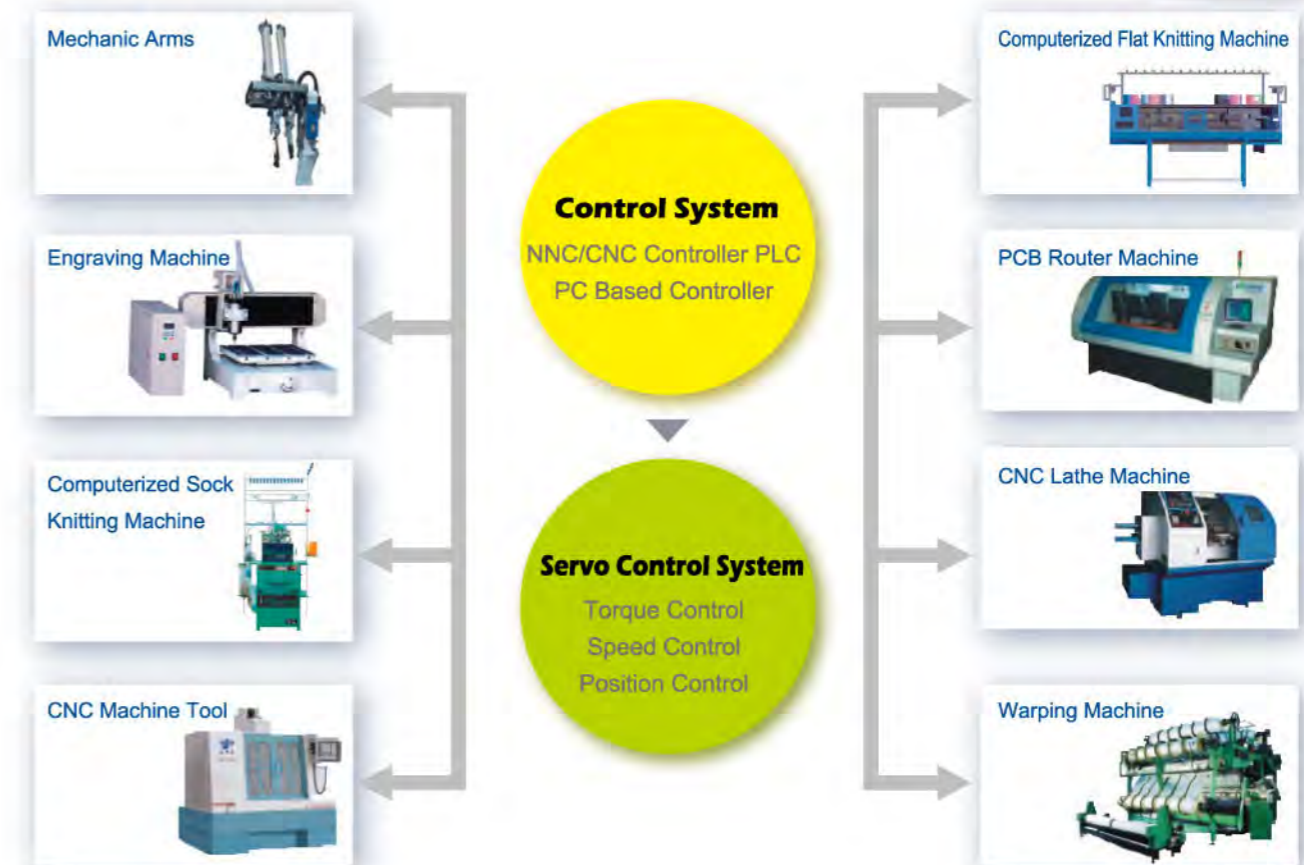


Advanced AC Servo Drive Features

- Input voltage: AC 200-230V single/three phase, AC 380-480V three phase
- Rated output: 100W- 15kW
- Encoder resolution: 17-bit (Incremental)/15-bit (Absolute)
- High quality, high reliability and high stability
- High performance, high accuracy and fast response motion control are available for mechanical applications
- A full product range with excellent performance applicable to low speed and high rigidity processing equipment
- High level of protection and coordination for seperated main circuit and control circuit
- Torque/speed/position/internal 32-step positioning mode and mix mode switching
- Speed bandwidth response: 800Hz
- Braking transistor and braking resistor built-in
- Multi-set of programmable I/O ports for multi-function
- Communication interface: RS-232/RS-485

Frame Size	1			2			3	4	
200V	15A	20A	30A	50A3	75A3	100A3	150A3	200A3	300A3
400V	10B	15B	25B	35B	50B		75B	100B	150B
Max. Capacity	400W	750W	1kW	2kW	3kW	4.4kW	5.5kW	7.5kW	15kW

* New models will be released soon.



JSDA/JSDE/JSMA Series AC Servo Drive System



JSDA Standard AC Servo Drive Features

- Input voltage: AC 200-230V single/three phase
- Rated output: 100W- 15kW
- Encoder resolution: 2500ppr/8192ppr (Incremental)
- High level of precision and coordination for separated main circuit and control circuit
- Torque/speed/position/internal 16-step positioning mode and mix mode switching
- Speed bandwidth response: 450Hz
- Braking transistor and braking resistor built-in
- Multi-set of programmable I/O ports for multi-function
- Communication interface: RS-232/RS-485



Frame Size	1			2			3	4	
JSDA	15A	20A	30A	50A3	75A3	100A3	150A3	200A3	300A3
Max. Capacity	400W	750W	1kW	2kW	3kW	4.4kW	5.5kW	7.5kW	15kW

JSDE Economic AC Servo Drive Features

- Input voltage: AC 200-230V single/three phase
- Rated output: 100W- 15kW
- Encoder resolution: 2500ppr (Incremental)
- Torque/speed/position/internal 16-step positioning mode and mix mode switching
- Speed bandwidth response: 300Hz
- Keypad built-in for easy setting
- Built-in braking transistor
- Communication interface: RS-232/RS-485

Frame Size	1				2
JSDE	10A	15A	20A	30A	50A3
Max. Capacity	100W	400W	750W	1kW	2kW



JSMA Standard AC Servo Motor Features

- Rated power output: 50W- 15kW
- Frame size: 42/60/76/80/86/130/180/220mm
- Encoder resolution: 2500ppr/8192ppr/17-bit (Incremental) 15-bit (Absolute)
- Rated speed range: 1000/1500/2000/3000rpm
- Torque Range: 0.48N-m ~ 204N-m
- Excellent performance, smooth operation, high quality and stability
- A full range of performance with outstanding high torque output
- Low noise, low vibration, elegant appearance and easy installation
- Enclosure: IP67



Frame Size	42	60	76	80/86	130
Power Rating	50/100W	400W	300W	750W	1/1.5/2/3kW
Frame Size	180			220	
Power Rating	3/4.4/5.5/7.5kW			11/15kW	

SG2 Series Programmable Logic Relay



Features

- Expandable I/O points up to 44
- Digital I/O, analog input, temperature input, analog output and optional communication modules
- A/O expandable to 8 points with voltage/current/temperature input
- Multi-communication linkage: Profibus, Devicenet, Modbus, Ethernet
- Dual Editing Format: Ladder format with a maximum of 300 lines; FBD format with a maximum of 260 blocks
- Advanced module (V series) with Modbus, I/O link and Remote I/O built-in
- RTC built-in (operational up to 240 hours after power off)
- 16-bit password protection function
- 2 PWM output points, one of them could be used for 1KHz max
- Multi-language built-in (including English, French, Spanish, Italian, German, Portuguese, Simple Chinese, Polish, Russian and Turkish)

TP03 Series Programmable Logic Controller



Features

- Quick instruction scan (basic instructions: 0.31us/step; application instructions: 0.45us/step)
- 14-60 point module expandable to 256 points and 70 channel analog ports
- Computer link: One computer as master can control up to 255 units of TP03 as slaves (through Modbus with 1 km max. distance)
- Data link: One TP03 as master can control up to 15 units of TP03 as slaves with a maximum data load of 64 bits+ 8 word) x15
- Remote control: TP03 as master can control up to 4 units of TP03 as slaves with maximum 60 points
- Perpetual calendar, PWM, Run/Stop switch, 2 sets of potentiometer and flash memory built-in with expandability
- High speed 100KHz pulse output function built-in to control servo drives easily
- High speed counting function built-in with single/two phase high speed counter and interruption function
- Modbus built-in with communication modules such as Profibus-DP slave, Devicenet slave and Ethernet (TCP/IP)
- 4 programming languages selectable, including Ladder, IL(Instruction List), SFC and FBD

SG2 Series

Applications
Woodworking Machinery, Welding Machinery, Food Processing Machinery, Low Voltage and Factory Control



TP03 Series

Applications
Packaging Machine, Shear Machine, Capper, Screwing Machine, Feeder, Sealer.



Global Branch Office/ Production



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