



Bridging the Gap between Real World and Computer

Mokon Servo Driver



Features

- ▶ Embedded floating point DSP
- ▶ High bandwidth and high response
- ▶ Easy servo parameters setting via RS-232 communication with Mokon PC software
- ▶ Three section position-commanded electronic gear from I/O signal
- ▶ On the fly change of speed and position mode
- ▶ Multi-purpose type command input to support most of motion control applications.

Specifications

- ▶ System Overload capacity : 150% 1min
- ▶ Discharge Transistor : integrated
- ▶ Protective Function : Over Current, Over Voltage, Low Voltage, Over Load, Over Temperature, Encoder Error, Over Speed
- ▶ Feedback Output : 1024P/R, 2048P/R, 2500P/R, 5000P/R
- ▶ Heat-Dissipation Method : Natural ventilation

Speed Control:

- ▶ Control Method : Sine PWM Current Control
- ▶ Control Ratio : 3000:1
- ▶ Speed Command : 0~10V/0~Rated Speed
- ▶ Speed Variability Ratio : Load Variable 0~100% / Rated Speed $\pm 0.1\%$
- ▶ Acceleration and Deceleration Method : S type or Linear type profile
- ▶ Torque Limit : 0~10V/0~Max Torque

Position Control:

- ▶ Position command : A/B, CW/CCW, PULSE/DIR
- ▶ Position command Output bandwidth : Differential type : 500K Transistor type : 200K
- ▶ Position Command Resolution : 4x Installed encoder resolution
- ▶ In-Position setting range : 0 \pm 10000 pulse
- ▶ Electronic Gear Ratio : A/B times A=32767 B=32767 1/50<A/B<50
- ▶ Torque Limit : 0~10V/0~Max Torque

Torque Control:

- ▶ Torque command : 0~10V/3x Rated Torque
- ▶ Speed Limit : Internal Torque Speed limited or limit from External Analog Speed Limit Command

Environment:

- ▶ Storage Temperature : -20 °C ~ 65 °C
- ▶ Operation Temperature : 0 °C ~ 40 °C
- ▶ Humidity : Humidity below 90% RH, non-condensing
- ▶ Altitude : Sea Level below 1000M
- ▶ Vibration : Below < 5m/s

Model Number	Rated Current	Matched Motor	Input Power
YPV-040-V	1.85A	YBL5C-12	AC 185 ~230V 3 phase 50/60Hz
		YBL6S-148	
		YBL7S-76	
		YBL7S-92	
YPV-075-V	3.47A	YBL9D-130	
YPV-100-V	5.4A	YBL9D-160	
		YBL13S-75	
YPV-150-V	7.2A	YBL13S-95	
YPV-200-V	11A	YBL13S-115	
YPV-300-V	16A	YBL13S-155	
		YBL17B-100Z	
YPV-450-V	24A	YBL17B-200Z	
YPV-600-V	32A	YBL17B-300Z	
YPV-750-V	39A	YBL17B-300T	
YPV-860-V	45A	YBL17B-400	
YPV-1100-V	58A	YBL17B-500	
		YBL210-400	
YPV-1500-V	79.5A	YBL210-600	
YPV-2200-V	60A	YIPM160-540	
YPV-H100-V	3.2A	YBL13S-75H	
YPV-H150-V	4.3A	YBL13S-95H	
YPV-H200-V	6.5A	YBL13S-115H	
YPV-H300-V	9.5A	YBL13S-155H	
		YBL17B-100H	
YPV-H450-V	15A	YBL17B-200H	
YPV-H600-V	19A	YBL17B-300H	
YPV-H750-V	24A	YBL17B-300TH	
YPV-H860-V	27A	YBL17B-400H	
YPV-H1100-V	35A	YBL210-400H	
YPV-H1500-V	48A	YBL210-600H	
YPV-H2200-V	60A	YBL160L-600H	
RS232 to USB(RS232)		Tuning cable)	

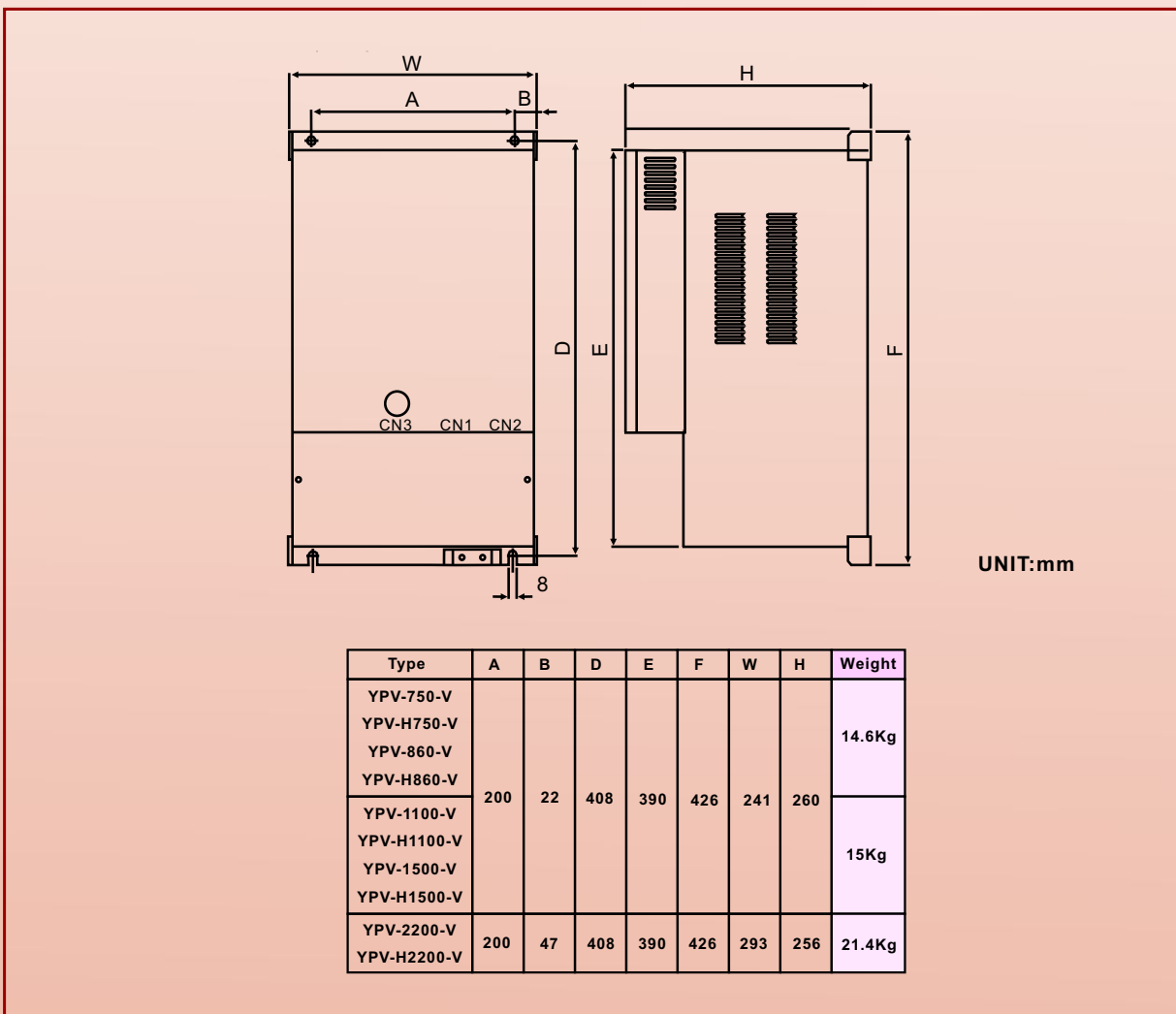
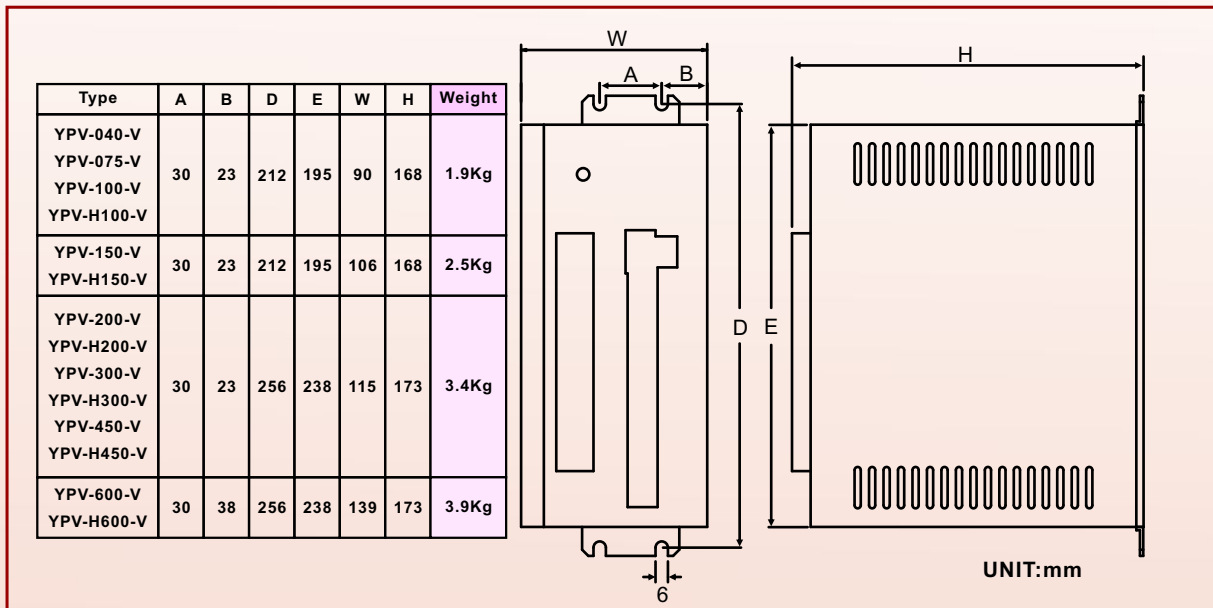
Application for Market

- ▶ CNC machine, Print machine, Spring machine, Transportation mechanical, End-Seal machine, Full-Electric plastic injection machine, Textile machine, Bag-Making machine, Automation machine, General Products machine.



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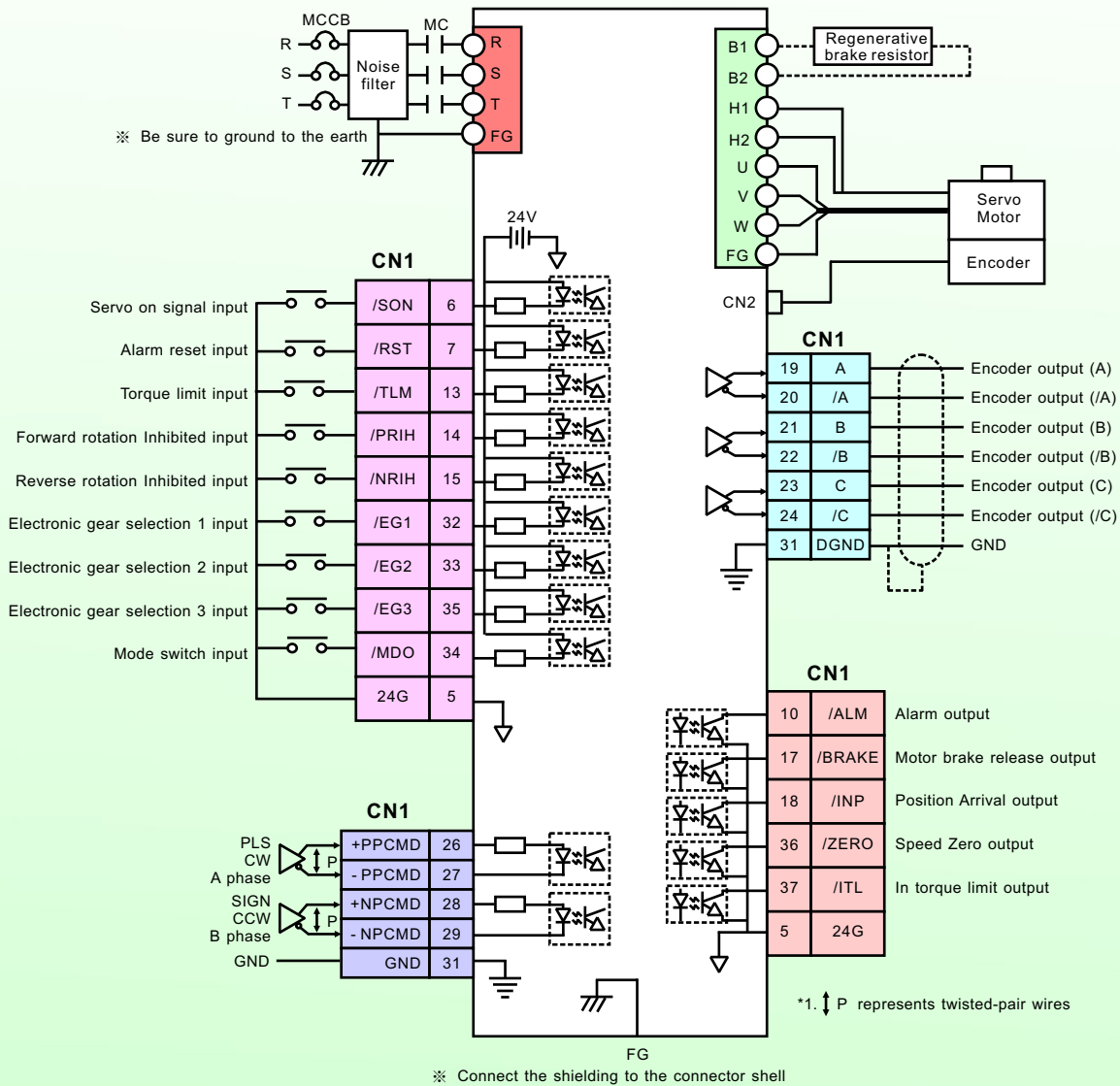
Dimensions





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Control Interface



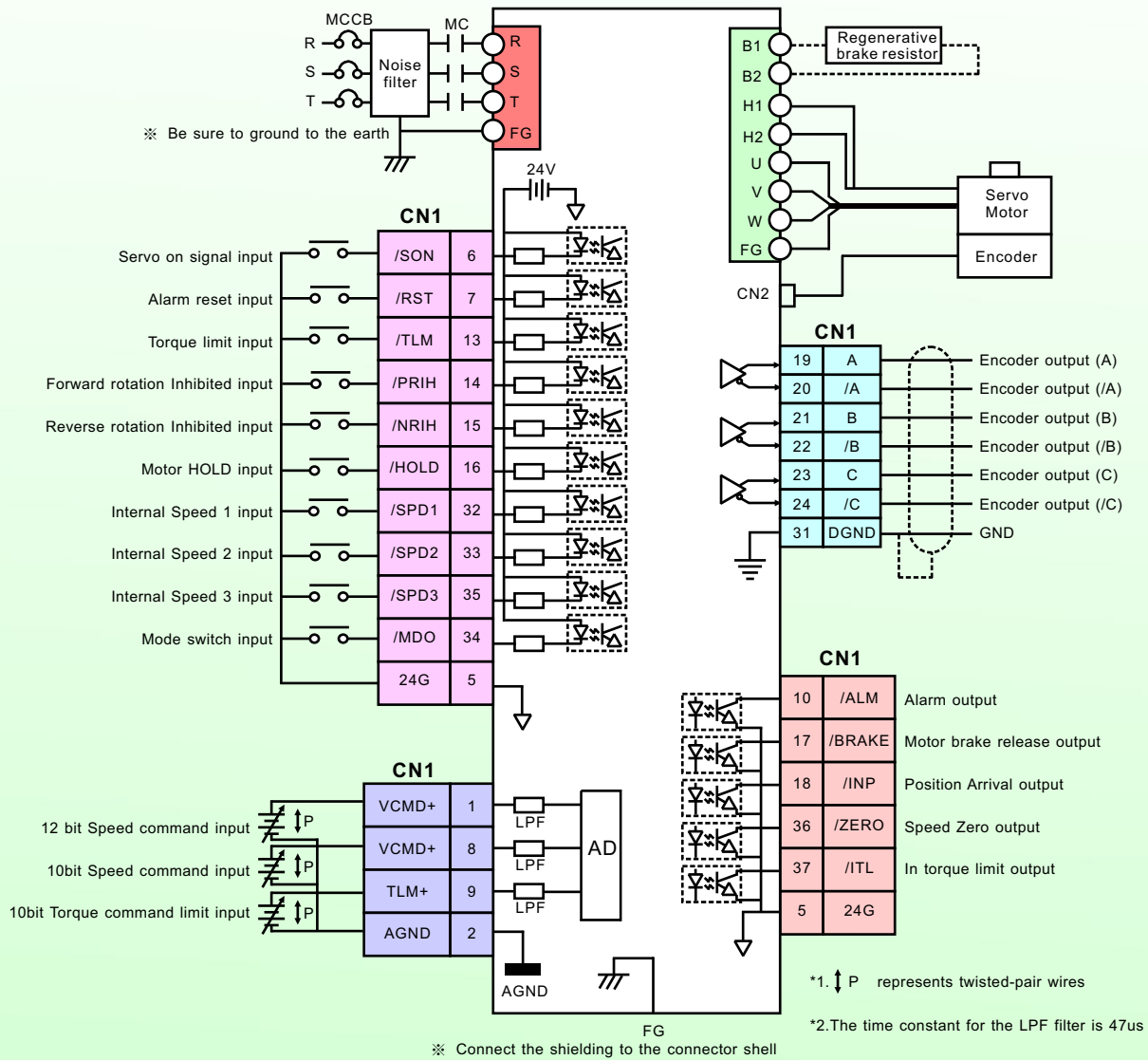
Position Mode

Note



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Control Interface



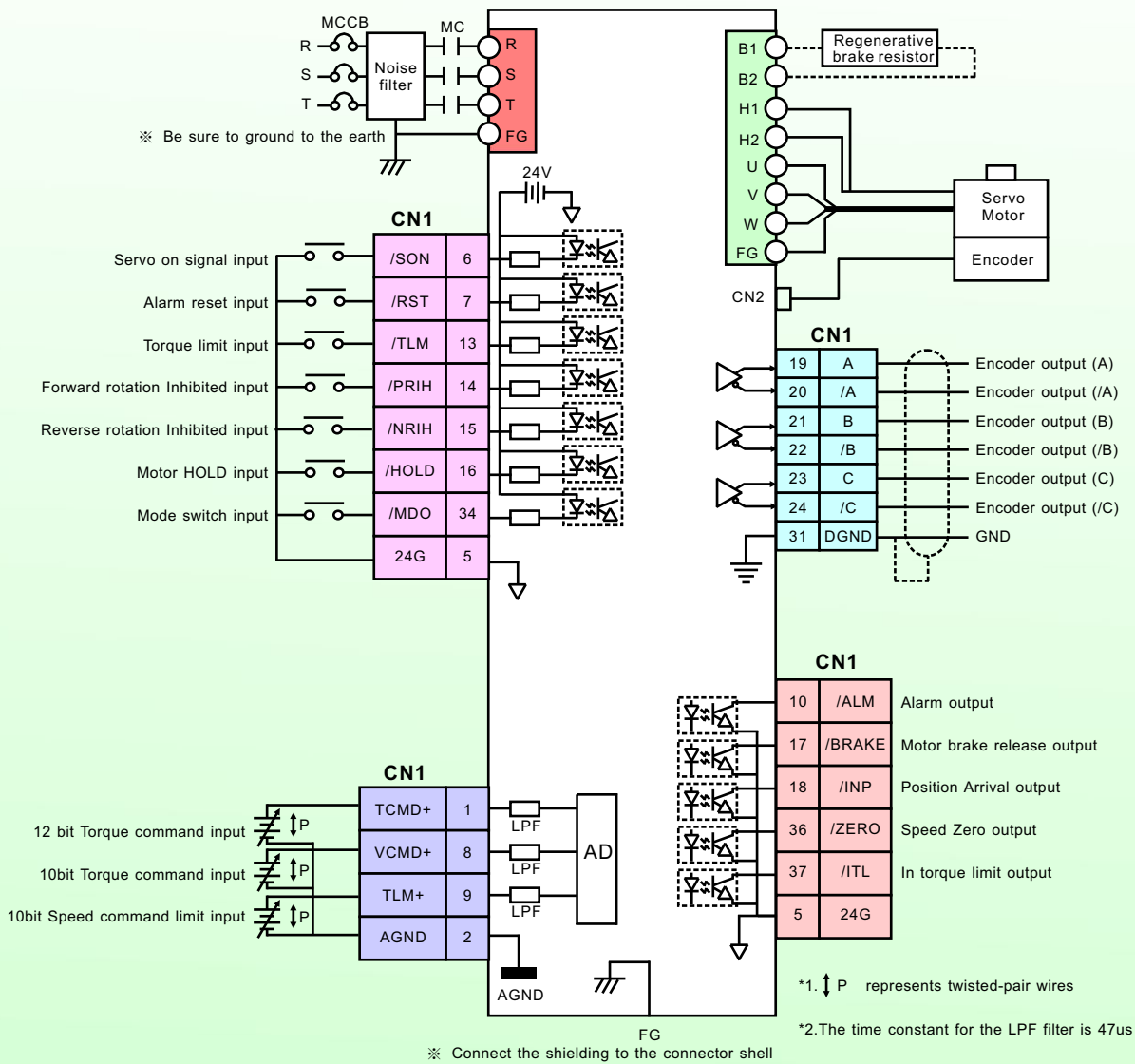
Speed Mode

Note



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Control Interface



Torque Mode

Note