

NEMA BLDC Driver



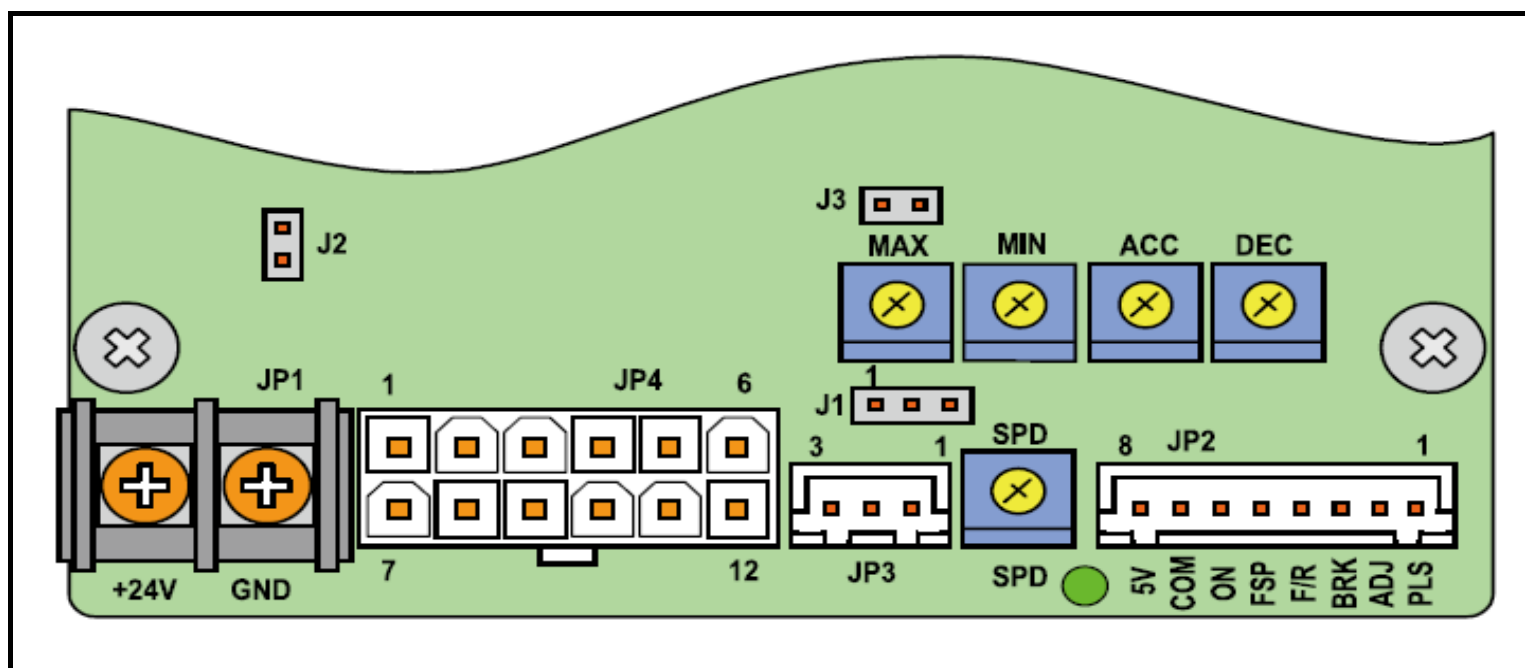
YDN20



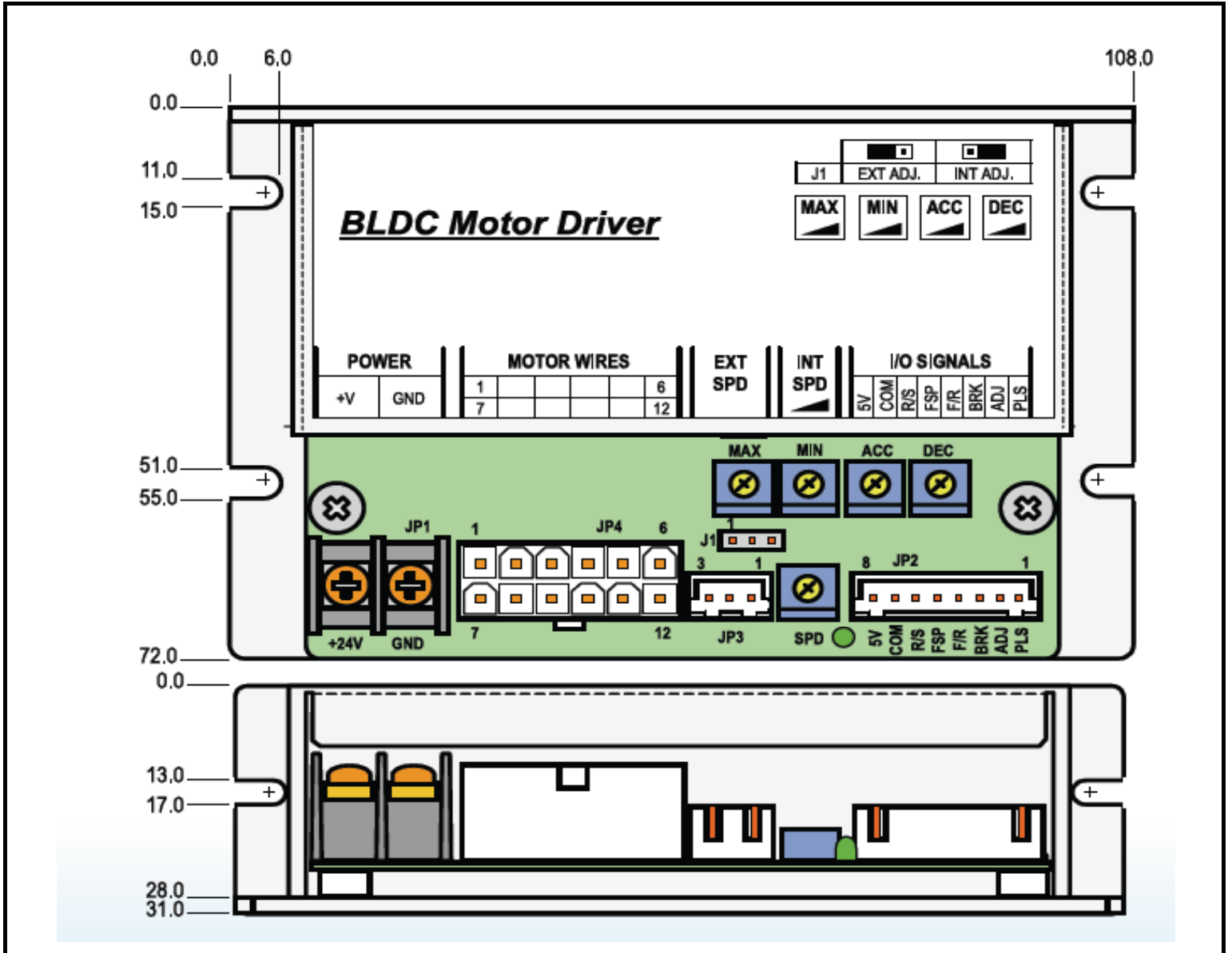
Specifications

Product / Model		YDN20
Power Input	VDC	12 (24 max)
Peak Current	A	20
Continuous Current	A	10
Motor Watts	W	< 300
Speed Control Range		40:1
Functions		Motor Swift CW / CCW Internal / External speed control selection ACC / DEC time setting , Brake
Speed Setting		Internal speed control External speed control (VR or 0 ~ 5V)
Input Signal		CW/ CCW, RUN / STOP, Full speed, Voltage adj. speed
Op. temp. / Humidity		0 ~ +60 C < 85% RH
Dim. / Weight		72 (L) x 108 (W) x 31 (H) 0.5mm / 230g

Connection



Dimension



NEMA BLDC Driver



YDN05&YDN10

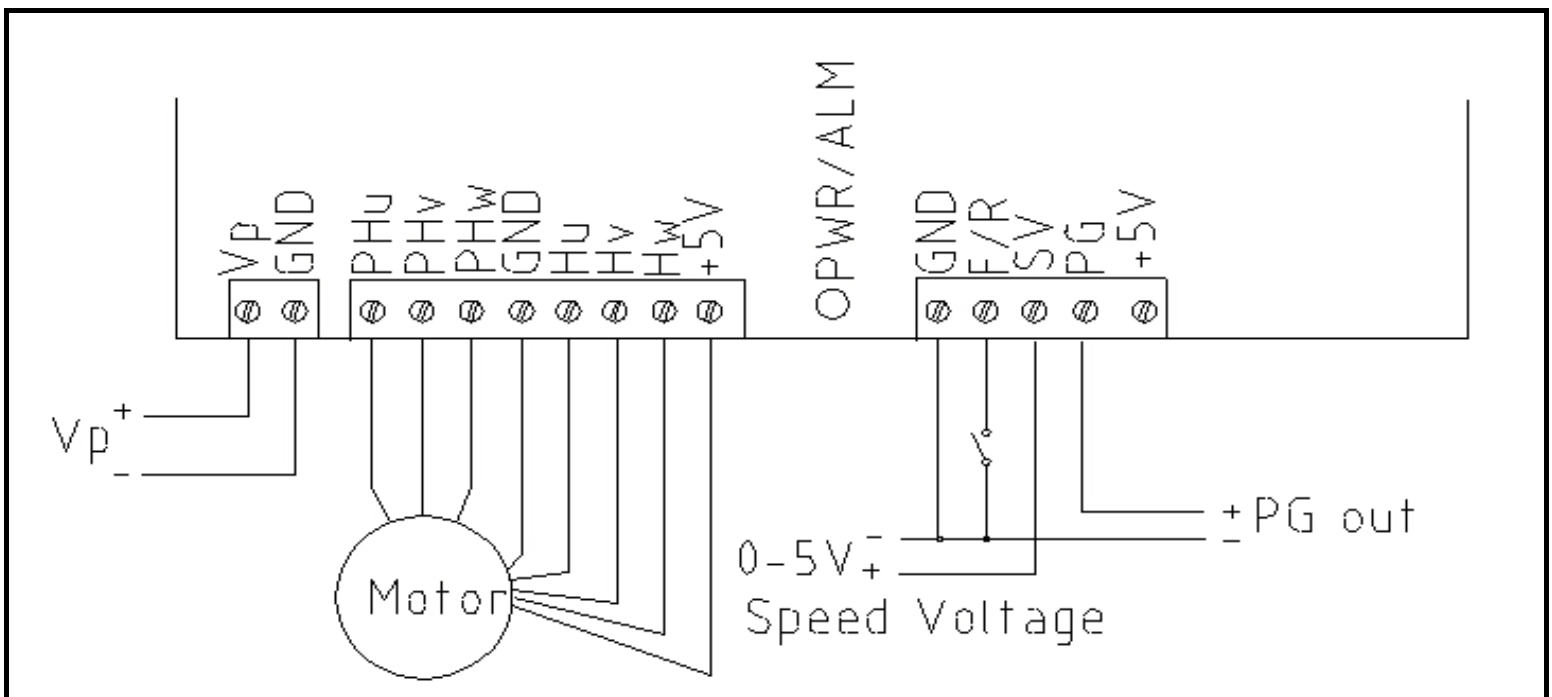


Specifications

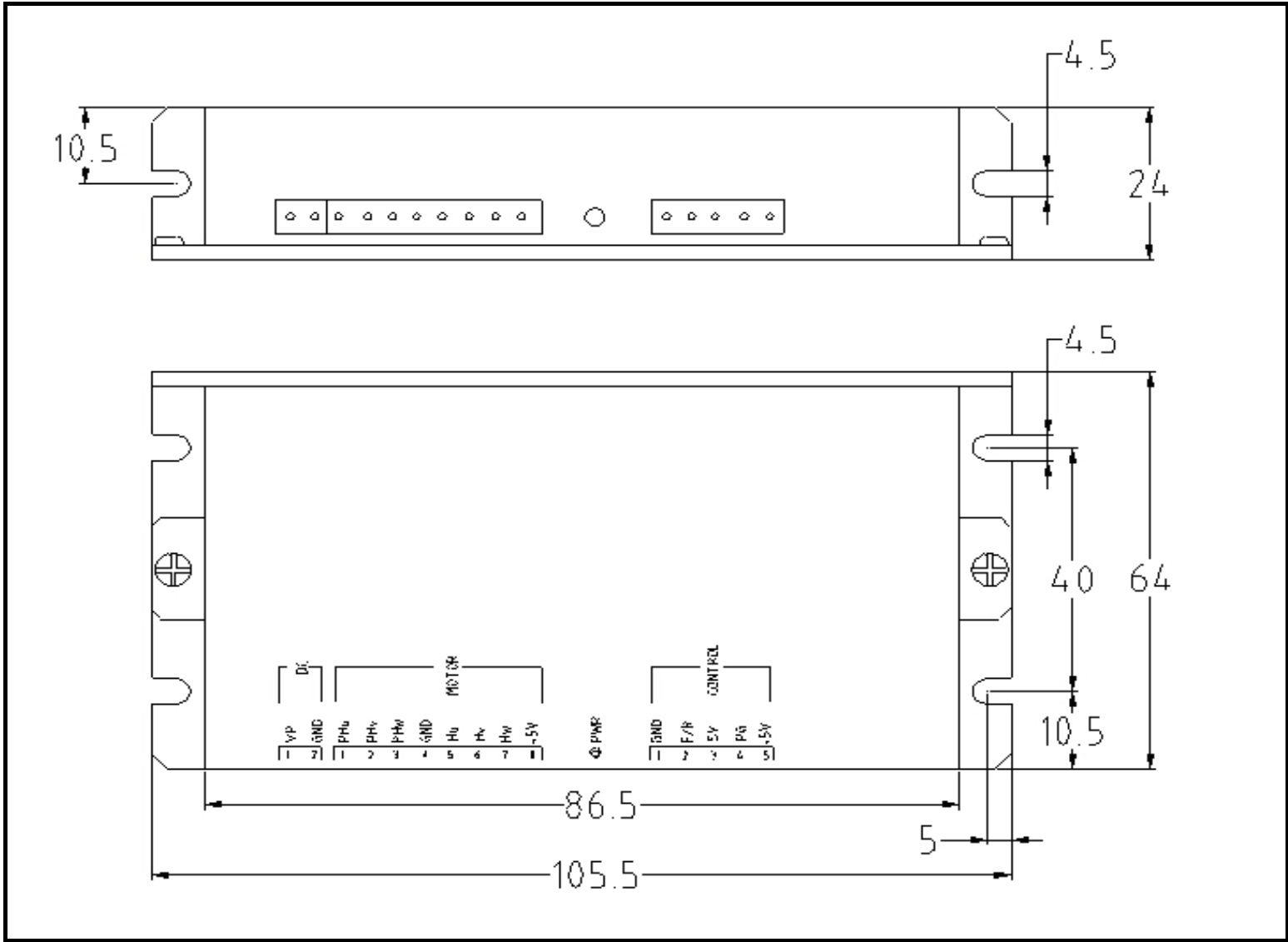
Model		YDN05	YDN10	YDN05	YDN10
Voltage	VDC	24(30V max)		36(45V max)	
Phase		3-Phase			
Peak Current	A	5	10	5	10
Continuous Current	A	2.5	5	2.5	5
Hall Sensor		3 hall sensors , 120deg (electrical) angle , 5V operation.			
Inner DC Line Fuse	A	5	10	5	10
Speed raising time	S	0.5-10			
Input signals		5V TTL or 5V CMOS			
Max Speed(SV=5V)		1500rpm/3000rpm/6000rpm/12000rpm (Optional)			
Control mode		PI speed close-loop control			
Low Voltage Protection	V	16V min		26V min	
Dimensions		105.5mmX64mmX24mm			
Chopping frequency	KHz	15			
Weight	Kg	0.2			

Control signals: F/R----High=Forward, Low=Reverse. SV-----Speed voltage input 0-5V. PG-----Speed pulse output (OC output) 24pulses/r @ 8

Connection



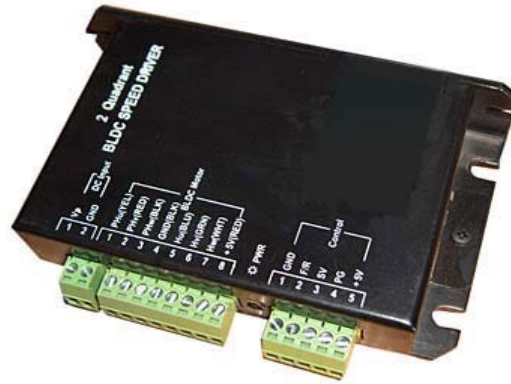
Dimension



NEMA BLDC Driver



YDN15

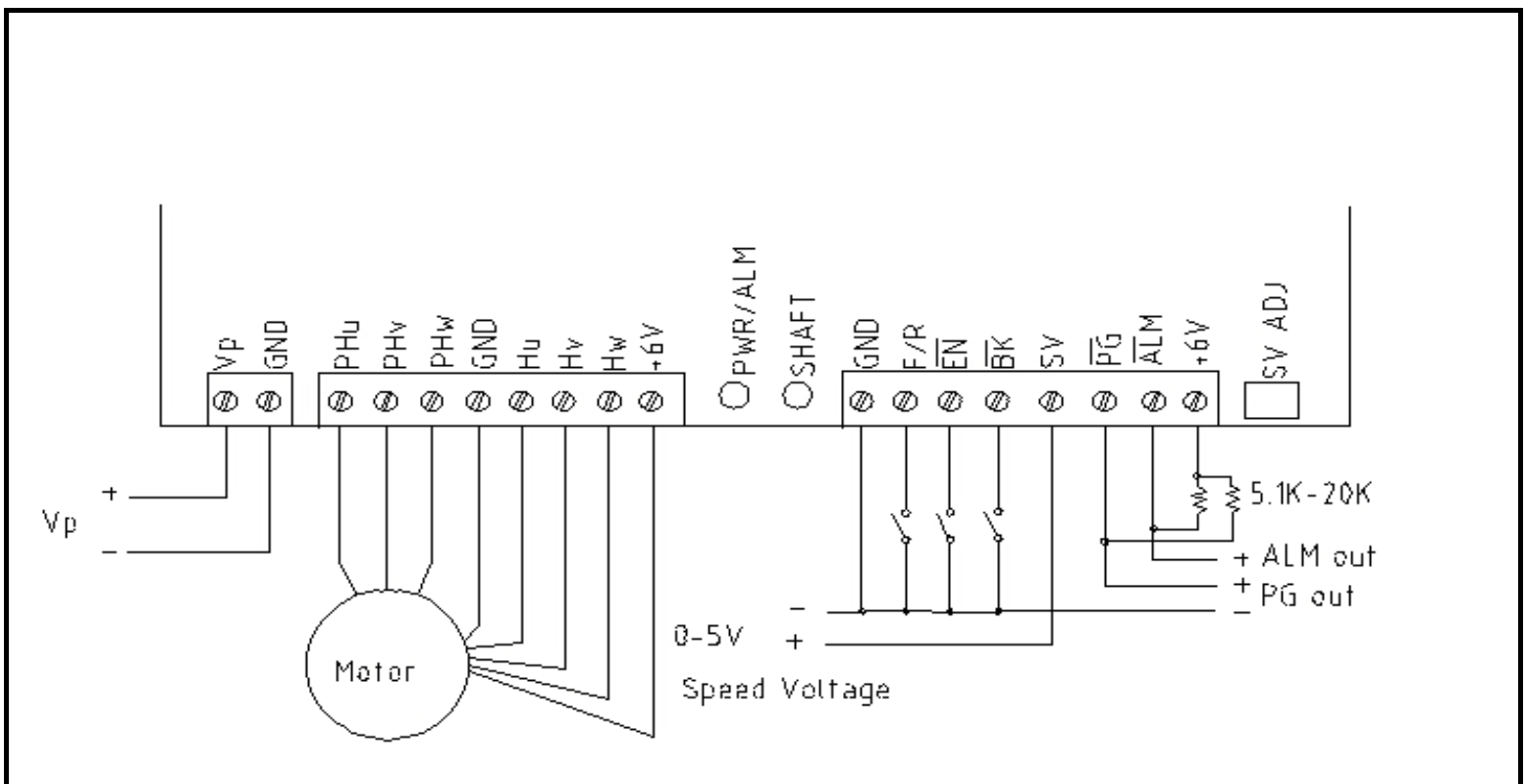


Specifications

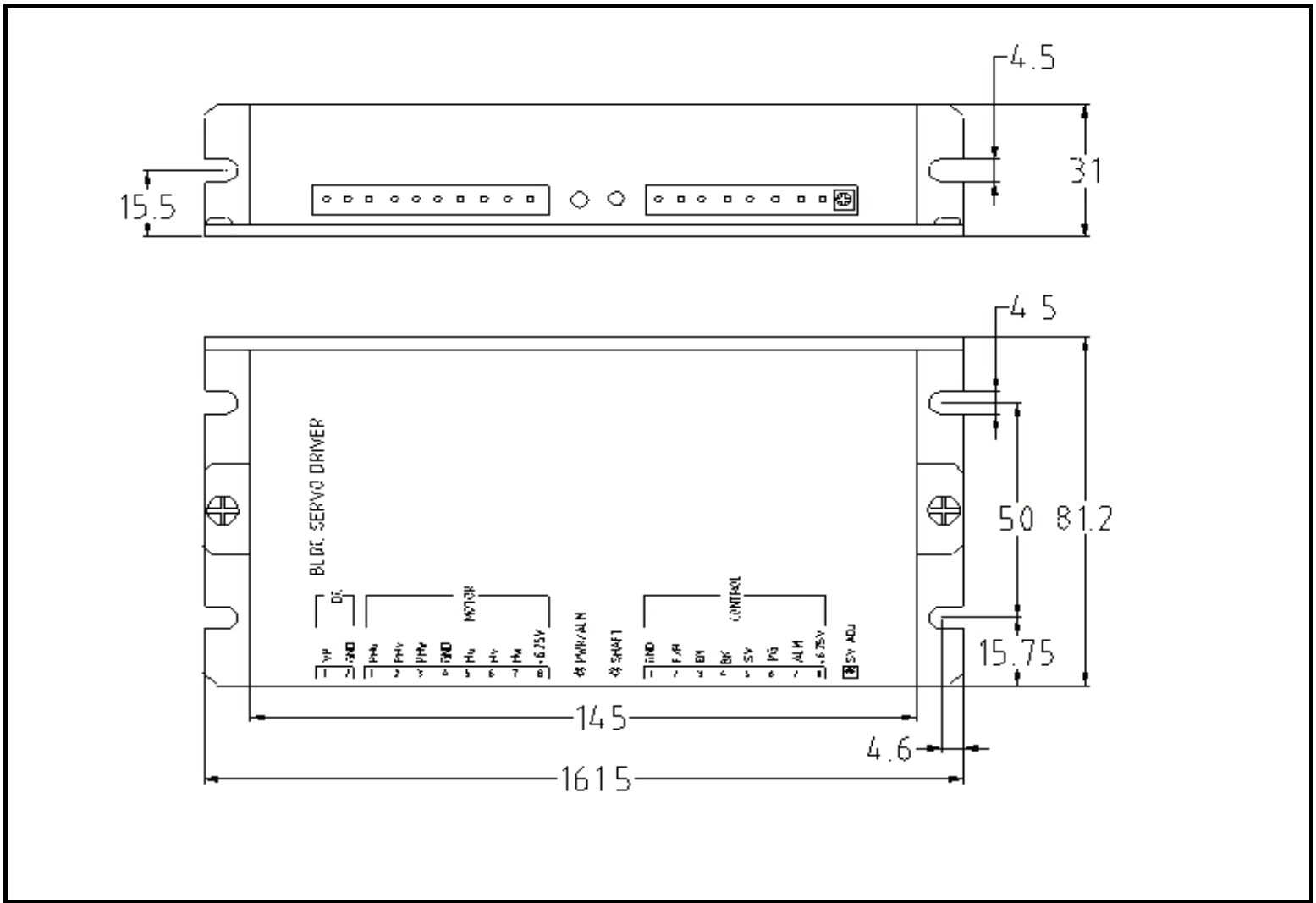
Model		YDN15		
Voltage	VDC	24(30V max)	36(45V max)	48(56V max)
Phase		3-Phase		
Peak Current	A	15	15	15
Continuous Current	A	7.5	7.5	7.5
Hall Sensor		3 hall sensors , 120deg (electrical) angle , 6.25V operation.		
Inner DC Line Fuse	A	15	15	15
Speed raising time	S	0.5-10		
Input signals		5V TTL or CMOS (6.25V max)		
Max Speed(SV=4V,SV		1500rpm/3000rpm/6000rpm/12000rpm (Optional)		
Speed Voltage (SV) gain		0-1.0 (Gain=1 @SV ADJ on the Right)		
Control mode		PI speed close-loop control		
Low Voltage Protection	V	16V min	26V min	36V min
Dimensions		161.5mmX81.2mmX31mm		
Chopping frequency	KHz	15		
Weight	Kg	0.3		

Control signals: F/R----High=Forward, Low=Reverse. EN----High=Disable, Low=Enable. BK----Low=Motor brake, High=Operating. SV-----Speed

Connection



Dimension



NEMA BLDC Driver



YDN20&YDN30

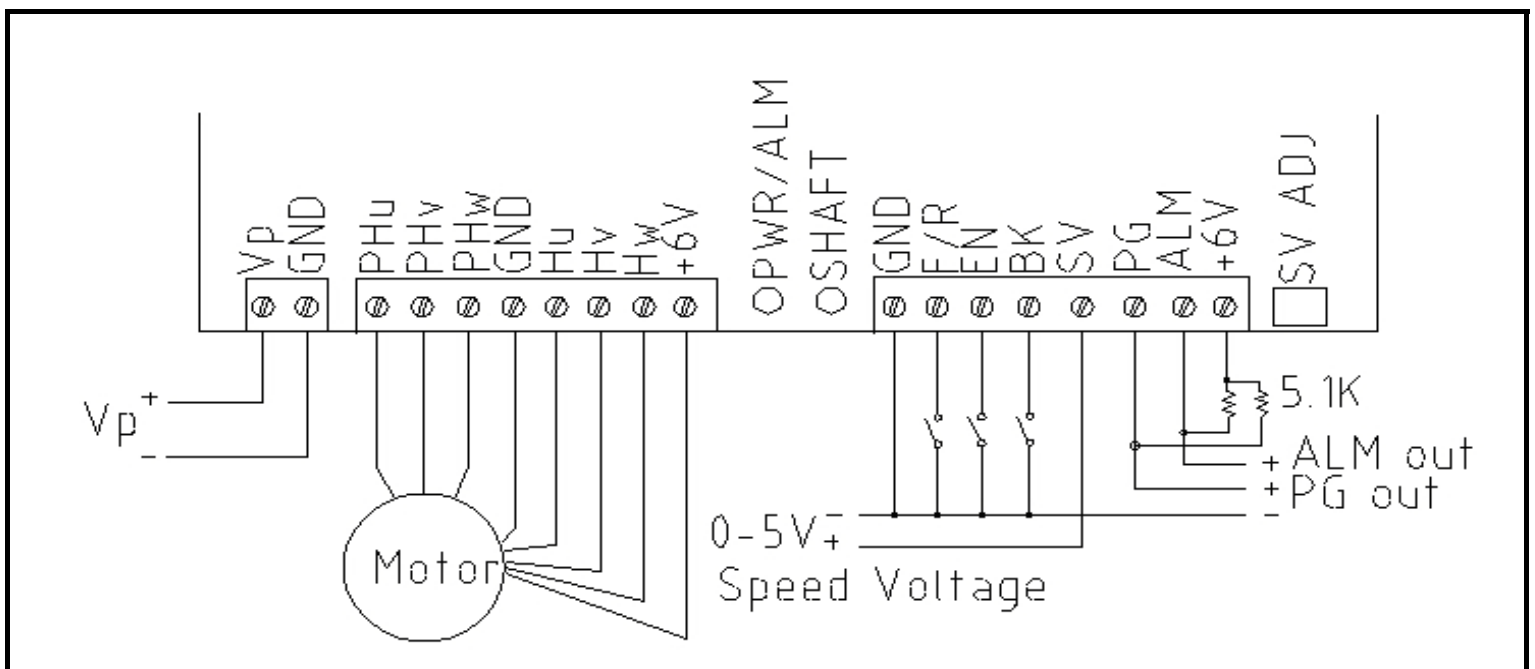


Specifications

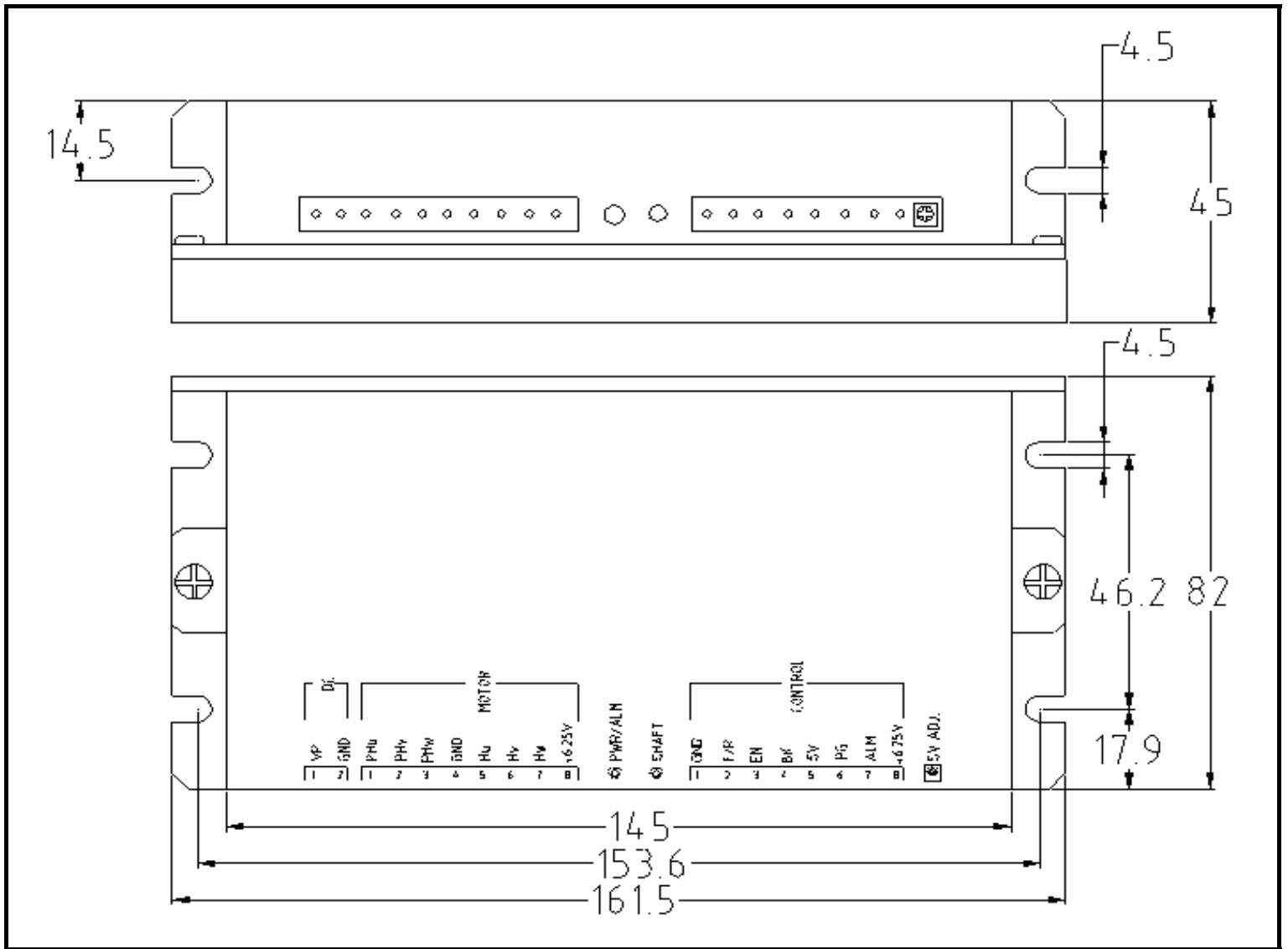
Model		YDN20	YDN30	20-B	30-B	20-B	30-B
Voltage	VDC	24(30V max)		36(45V max)		48(56V max)	
Phase		3-Phase					
Peak Current	A	20	30	20	30	20	30
Continuous Current	A	10	15	10	15	10	15
Hall Sensor		3 hall sensors , 120deg (electrical) angle , 6.25V operation.					
Speed raising time	S	0.5-10					
Input signals		5V TTL or CMOS (6.25V max)					
Max Speed(SV=4.5V,SV		1500rpm/3000rpm/6000rpm/12000rpm (Optional)					
Speed Voltage (SV) gain		0-1.0 (Gain=1 @SV ADJ on the Right)					
Control mode		PI speed close-loop control					
Low Voltage Protection	V	16V min					
Dimensions		161.5mmX82mmX45mm					
Chopping frequency	KHz	15					
Weight	Kg	0.4					

Control signals: F/R----High=Forward, Low=Reverse. EN-----High=Disable, Low=Enable. BK-----Low=Motor brake, High=Operating. SV-----

Connection



Dimension

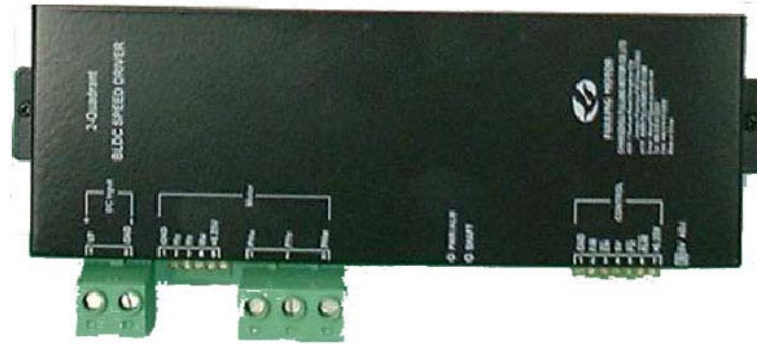


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NEMA BLDC Driver



YDN50

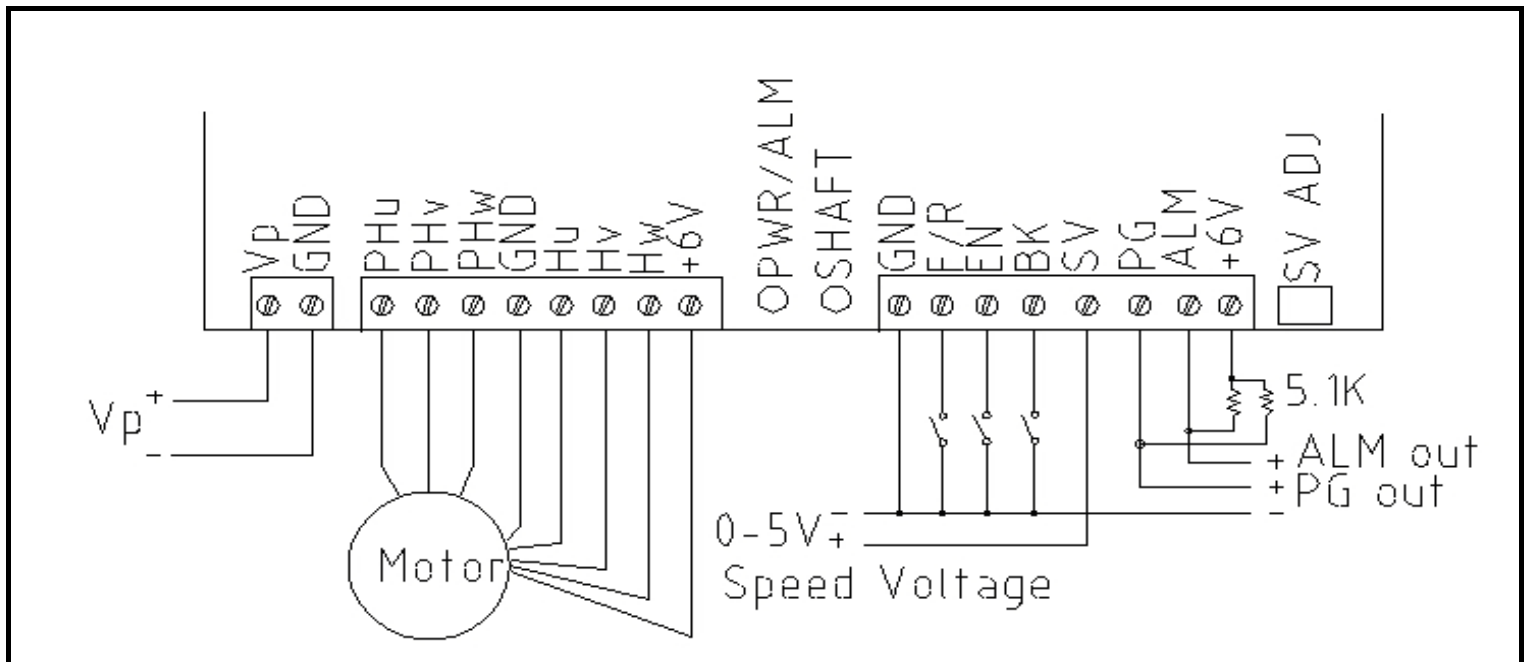


Specifications

Model		YND50
Voltage	VDC	48(56V max)
Phase		3-Phase
Peak Current	A	50
Continuous Current	A	25
Hall Sensor		3 hall sensors , 120deg (electrical) angle , 6.25V operation.
Speed raising time	S	0.5-10
Input signals		5V TTL or CMOS (6.25V max)
Max Speed(SV=4.5V,SV		1500rpm/3000rpm/6000rpm/12000rpm (Optional)
Speed Voltage (SV) gain		0-1.0 (Gain=1 @SV ADJ on the Right)
Control mode		PI speed close-loop control
Low Voltage Protection	V	16V min
Dimensions		221mmX82mmX45mm
Chopping frequency	KHz	15
Weight	Kg	0.5

Control signals: F/R----High=Forward, Low=Reverse. EN-----High=Disable, Low=Enable. SV-----Speed voltage input 0-5V. PG-----Speed pulse

Connection



Dimension

