

Link do produktu: <https://sklep.akcesoria-cnc.pl/sterownik-silnika-bezszczotkowego-blcd-blcd-120a-6a-30v-p-35.html>



## Sterownik silnika bezszczotkowego BLDC BLD-120A 6A 30V

Cena brutto	<b>199,00 zł</b>
Cena netto	<b>161,79 zł</b>
Dostępność	<b>Dostępny</b>
Czas wysyłki	<b>24 godziny</b>
Kod producenta	<b>BLD-120A</b>
Kod producenta	<b>BLD-120A</b>
Waga produktu z opakowaniem jednostkowym	<b>0.5 kg</b>

### Opis produktu

## **Sterownik BLD-120A do silników bez-szczotkowych, BLDC**

### parametry:

- napięcie zasilania 12-24V (30Vmax.)
- prąd ciągły 6,2A
- maksymalny prąd fazowy 8A
- do silników BLDC o mocy max 120W
- obroty - do 20000rpm

### umożliwia:

- ograniczenie prądu sterownika wbudowanym potencjometrem P-SV
- regulację prędkości wbudowanym potencjometrem RV
- regulowaną rampę przyspieszenia i hamowania
  - ACC/DEC
- regulację prędkości pot. zewnętrznym -SV
- zmianę kierunku obrotów -F/R
- wejście enable - EN
- wejście hamulca - BRK

### zadawanie prędkości na 4 sposoby

- wewnętrznym potencjometrem RV
- zewnętrznym potencjometrem

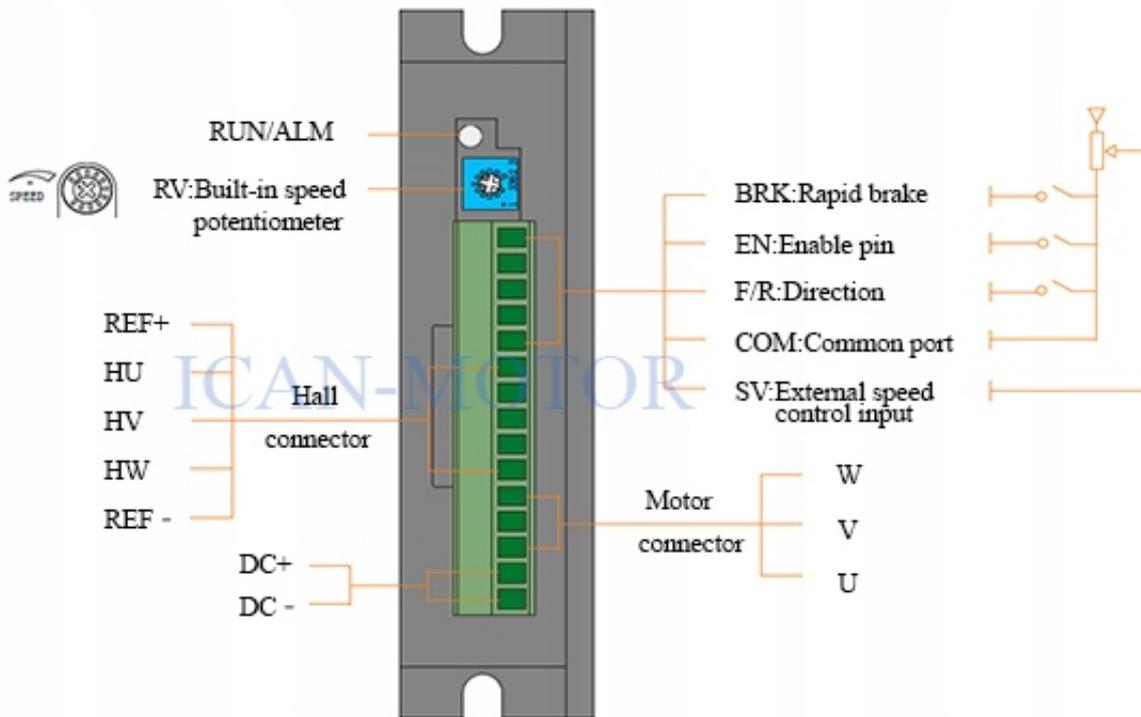


	Model	Peak current(A)	Rated current(A)	Voltage(V)	Matched motor	Dimension(m m)
Brushless dc motor drive	BLD70	6	3	VDC12-30	<70W	56.5*96*20
	BLD120	16	8	VDC12-30	<125W	60*96*24.5
	BLD300B	35	15	VDC18-50	<300W	80*143*33
	BLD750	45	25	VDC18-50	<750W	97*151*48
	BLDH350	4	2	VAC185-265	<350W	97*151*48
	BLDH750A	8	4.2	VAC185-265	<750W	65*170*97
	BLDH1500A	12	8	VAC185-265	<1500W	147*203*78

We provide OEM and ODM service according to the customers' requirement



## Sterowanie i podłączenie silnika



- **Terminals:** Function
- **SV:** 1.External potentiometer; 2.input analog signal; 3.PWM pulse width.
- **COM:** Common port (0V reference level)
- **F/R:** Motor rotation direction control(CW/CCW). High level input the motor will rotate clockwise, low level input or when F/R and COM are short circuit, the motor rotate anticlockwise
- **EN:** High level input the motor stops, low level input or when EN and COM are short circuit, the motor runs
- **BRK:** The motor brake stops when a high level is added or port suspension; the motor runs when the low level is added or EN and BRK are connected
- **ALM:** The default output signal is 5V under normal circumstances; the level is 0V when malfunction occurs
- **SPEED:** Output pulse frequency signal(OC). The motor speed can be calculated through SPEED.

**Function**

**Four Speed regulation modes**

**Built-in potentiometer RV**

Rotate the RV knob clockwise ,

the motor starts to run and accelerate.

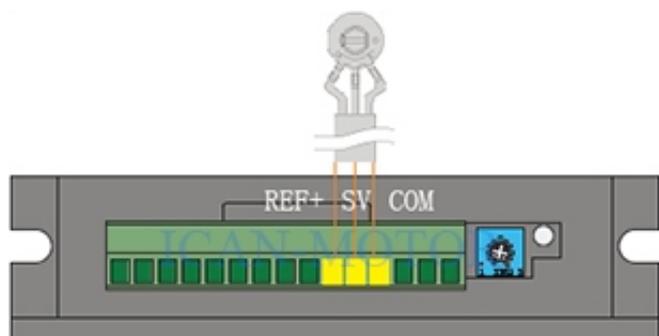
Motor speed will decrease if anticlockwise.

When it gets to a limited position, the motor stops.



### External potentiometer

Use a suitable potentiometer with a resistance value of 10K $\Omega$ , connect middle terminal with SV terminal, and the other two terminals are respectively connected with VCC terminal and COM terminal.



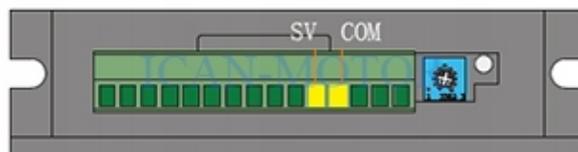
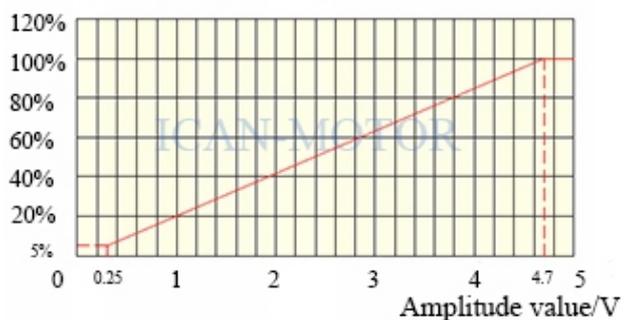
### Input analog signal(0-5V)

#### Voltage and motor speed relational diagram(unloaded)

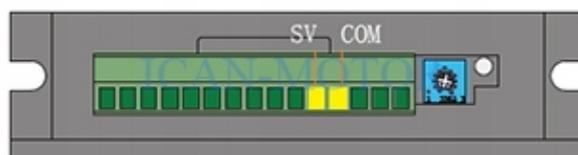
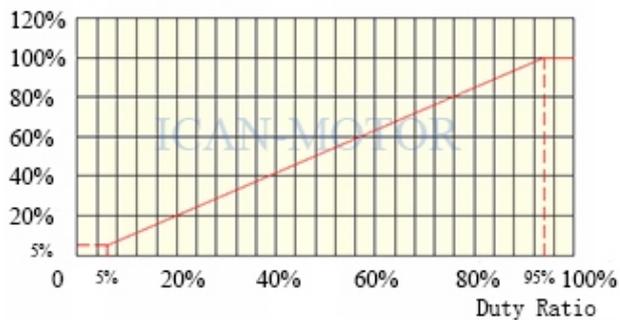
#### Pulse Width Modulation

#### Duty ratio and motor speed relational diagram (unloaded)

The highest speed percentage

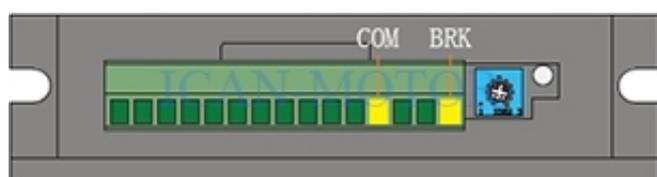


The highest speed percentage



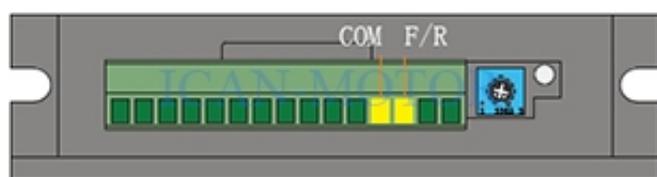
### Quick brake

BRK and COM are connected in default, the motor will be quick brake .When BRK and COM are disconnected, the motor will rotate.



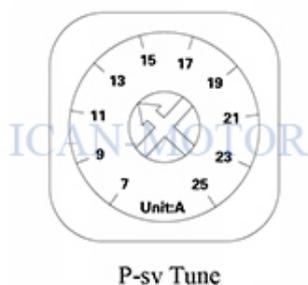
### CW/CCW rotation

Connect F/R and COM, the motor will rotate clockwise, disconnect it, the motor will rotate anticlockwise.



### Peaking current setting

Equipped with a motor protection function, the driver provides options to set desired current number in the P-sv knob to avoid over-current for motor. Please note that the random error is  $\pm 10\%$  . The setting should be matched with motor rated current.



### Mechanical dimension

