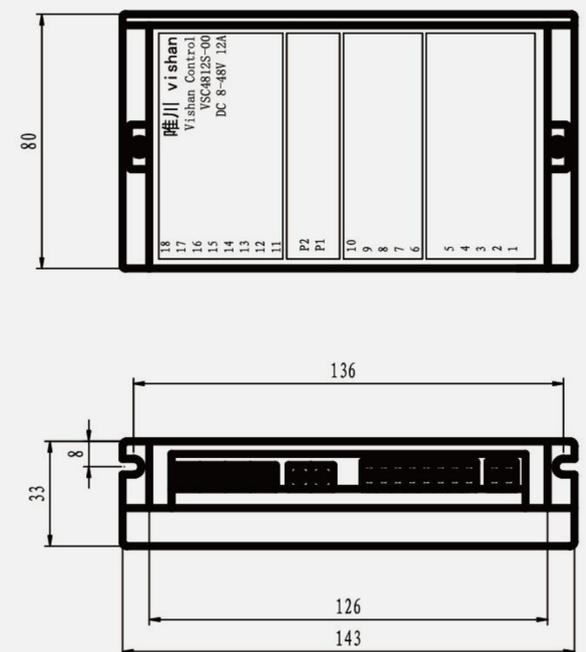
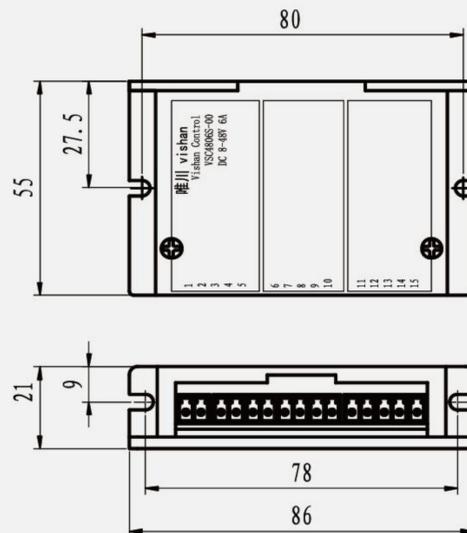




	VSC 4806S	VSC 4812S
Operating Mode	8-48VDC, Max. Current 6A Speed controller with hall sensor, Open loop Overload protection Stall protection Sensor error protection	8-48VDC, Max. Current 12A Speed controller with hall sensor, Open loop Overload protection Stall protection Sensor error protection
Electrical Data		
1 DC motor up to	300W	600W
2 Operating Voltage Vcc	8-48 VDC	8-48 VDC
3 Max.output current	8A , <30S	15A , <30S
4 Continuous output current	6A	12A
5 Pulse width modulation frequency	20KHz	20KHz
6 Sampling rate PI current controller	20KHz	20KHz
7 Max.Speed (1 pole pair)	60000rpm	60000rpm
8 Efficiency	95%	95%
Inputs/Outputs		
9 Hall sensor signal	HA,HB,HC	HA,HB,HC
10 Digital inputs/outputs	3	6
11 Set value "SP"	Set value speed 0.... +5V (1024 steps)	Set value speed 0.... +5V (1024 steps)
12 Enable "EN"	Enable 0...+5V	Enable 0...+5V
13 Direction "F/R"	Direction 0...+5V	Direction 0...+5V
14 Brake "BK"	---	Brake 0...+5V
15 Speed Feedback "PG"	---	OC ouput(30V/10mA max)
16 Alarm Ouput "ALARM"	---	OC ouput(30V/10mA max)
17 Status Indicators	Operation: LED light/Blink at 1 HZ; Error: LED Blink at 20Hz	
18 Hall sensor supply voltage	+5 VDC	+5 VDC
19 Hall & Digital signal ground	GND	GND
Environmental Conditions		
20 Temperature - Operation	-30....+45°C	-30....+45°C
21 Temperature - Storage	-40....+85°C	-40....+85°C
Mechanical Data		
22 Weight	Approx. 90 g	Approx. 300 g
23 Dimensisons (L x W x H)	55 x 86 x 21mm	80 x 143 x33mm
24 Mounting holes	for screws M3	for screws M3
25 Connections		



Pin9	BK	Pin1	+5V, Output
Pin10	SP	Pin2	HA
Pin11	F/R	Pin3	HB
Pin12	EN	Pin4	HC
Pin13	+5V, Output	Pin5	GND
Pin14	GND	Pin6	MA
Pin15	POWER +	Pin7	MB
Pin16	POWER -	Pin8	MC

Pin11	PG	Pin1	+5V, Output
Pin12	SP	Pin2	HA
Pin13	GND	Pin3	HB
Pin14	GND	Pin4	HC
Pin15	+5V, Output	Pin5	GND
Pin16	EN	Pin6	MA
Pin17	F/R	Pin7	MB
Pin18	BK	Pin8	MC
		Pin9	POWER +
		Pin10	POWER -