

JRAHK



Intelligent. Powerful. Precise. Safe



Brushless DC Intelligent Controller

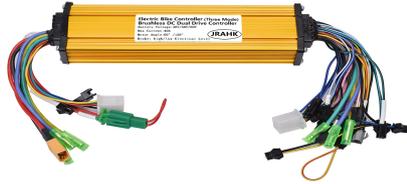
We specialize in the design and manufacture of high-performance motor controllers, which serve as the core "brain" of e-bikes, e-scooters, e-tricycles, e-forklifts, electric cars, and off-road e-vehicles.

Our expertise lies in the depth and continuous innovation of intelligent control technology. We have developed our core technology for tri-mode, dual-mode Hall-effect sensorless controllers. Through advanced FOC algorithms, we provide vehicles with a smooth and responsive driving experience, while built-in multi-layer protection and intelligent diagnostic functions ensure reliability, delivering powerful performance while extending driving range.

▶ Dongguan Bocheng Technology Co., Ltd.



Gold Dual-Drive Sine Wave FOC Controller



MOS Tube	6-Tube
Voltage	36V-48V-52V-60V
Current	7A-40A
Power	250W-2000W
Model	Three Models
Protocol	/
Function	Single drive/Dual drive

Dual-Mode Square Wave Brushless DC Controller

				
MOS Tube	15-Tube	18-Tube	Double Row 18 Tubes	24-Tube
Voltage	36V-48V-60V-72V-84V	36V-48V-60V-72V-84V	36V-48V-60V-72V-84V	48V-60V-72V-84V
Current	34A-40A	45A-50A	45-60A	50A-80A
Power	1000W-2000W	1500W-3000W	2500W-3500W	3000W-5000W
Protocol	/	/	/	/
Model	Dual-mode	Dual-mode	Dual-mode	Dual-mode

	
MOS Tube	Double Row 18 Tubes
Voltage	36V-48V-60V-72V-84V
Current	45-60A
Power	2500W-3500W
	Forward speed = Reverse speed
Protocol	/
Model	Dual-mode

Red Dual-Mode Square Wave Controller Kit

				
MOS Tube	6-Tube	6-Tube	6-Tube	6-Tube
Voltage	36V-48V-52V-60V	36V-48V-52V-60V	36V-48V-52V-60V	36V-48V-52V-60V
Current	7A-20A	7A-20A	7A-20A	7A-20A
Power	250W-400W	250W-400W	250W-400W	250W-400W
Model	Dual-mode	Dual-mode	Dual-mode	Dual-mode
Protocol	UART2	UART2	UART2	UART2
				
MOS Tube	9-Tube	9-Tube	9-Tube	9-Tube
Voltage	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V
Current	20A-26A	20A-26A	20A-26A	20A-26A
Power	400W-600W	400W-600W	400W-600W	400W-600W
Model	Dual-mode	Dual-mode	Dual-mode	Dual-mode
Protocol	UART2	UART2	UART2	UART2
				
MOS Tube	12-Tube	12-Tube	12-Tube	12-Tube
Voltage	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V
Current	26A-33A	26A-33A	26A-33A	26A-33A
Power	600W-1000W	600W-1000W	600W-1000W	600W-1000W
Model	Dual-mode	Dual-mode	Dual-mode	Dual-mode
Protocol	UART2	UART2	UART2	UART2
				
MOS Tube	15-Tube	15-Tube	15-Tube	15-Tube
Voltage	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V
Current	34A-40A	34A-40A	34A-40A	34A-40A
Power	1000W-2000W	1000W-2000W	1000W-2000W	1000W-2000W
Model	Dual-mode	Dual-mode	Dual-mode	Dual-mode
Protocol	UART2	UART2	UART2	UART2

Red Dual-Drive Square Wave Controller Kit



			
MOS Tube	6-Tube	6-Tube	6-Tube
Voltage	36V-48V-52V-60V	36V-48V-52V-60V	36V-48V-52V-60V
Current	7A-40A	7A-40A	7A-40A
Power	250W-2000W	250W-2000W	250W-2000W
Model	Dual-mode	Dual-mode	Dual-mode
Protocol	UART2	UART2	UART2

Black Tri-Mode Sine FOC Controller Kit

				
MOS Tube	6-Tube	6-Tube	6-Tube	6-Tube
Voltage	36V-48V-52V-60V	36V-48V-52V-60V	36V-48V-52V-60V	36V-48V-52V-60V
Current	7A-20A	7A-20A	7A-20A	7A-20A
Power	250W-400W	250W-400W	250W-400W	250W-400W
Model	Three Models	Three Models	Three Models	Three Models
Protocol	UART2	UART2	UART2	UART2
Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit

				
MOS Tube	9-Tube	9-Tube	9-Tube	9-Tube
Voltage	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V
Current	20A-26A	20A-26A	20A-26A	20A-26A
Power	400W-600W	400W-600W	400W-600W	400W-600W
Model	Dual-mode	Dual-mode	Dual-mode	Dual-mode
Protocol	UART2	UART2	UART2	UART2
Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit

				
MOS Tube	15-Tube	15-Tube	15-Tube	15-Tube
Voltage	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V	36V-48V-52V-60V-72V
Current	34A-40A	34A-40A	34A-40A	34A-40A
Power	1000W-2000W	1000W-2000W	1000W-2000W	1000W-2000W
Model	Dual-mode	Dual-mode	Dual-mode	Dual-mode
Protocol	UART2	UART2	UART2	UART2
Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit	6 Hall Sensor Circuit

Intelligent brushless DC speed controller

		
Model	7255	7280
Voltage	48V-60V-72V	48V-60V-72V
Current	55A	80A
Power	1000W-3000W	2000W-5000W
Control	1st gear 30A, 2nd gear 40A, and 3rd gear 55A	1st gear 40A, 2nd gear 60A, and 3rd gear 80A

Other accessories



					
Voltage	36V-48V-52V-60V-72V	5V	5V	5V	36V-48V-52V-60V-72V
Name	Throttle display	PAS	Throttle display	PAS	Throttle display
		6 magnetic 12 signals		12 magnetic 24 signals	