分类		名称		说明	备注	
控制器	Controller	最大相电流(A)	Max phase current(A)	控制器最大相电流,例如EZ-A48400,可设置最大相电流 为400A	p LE	It's maximum phase current. For example, EZ-A48400, which can set a maximum phase current of 400A
		最大转速(rpm)	Max rotor speed(rpm)	电机最高转速,控制器支持最高电气转速为90000rpm,可		It's maximum rotor speed. This controller supports a maximum electrical speed of 90,000 rpm. It should meet requirement: Maximum
		最大母线电流(A)		设置最大转速应满足:最大转速*极对数≤90000 控制器最大母线电流,例如EZ-A48400,可设置最大母线		rotational speed * number of pole-pairs \$ 90,000 It's maximum bus current. For example, EZ-A48400, which can set the
		取入丏线电流(A)	Max bus current(A)	电流=最大相电流/2=200A 最大相电流持续超过此时间控制器会限流,并过载报警。		maximum bus current = the maximum phase current / 2=200A  After the maximum phase current lasts beyond this duration, the
		峰值电流持续时间(s)	Peak current duration(s)	取入相电视疗法超过此时间控制器云喉机,并过来报告。 如果频繁出现过载报警,说明匹配控制器功率小,应更换 更大功率控制器		controller will limit the current and alarm "overload". If this alarm occurs frequently, it means this controller has less power, it should
				扭矩控制:油门控制扭矩		be replaced with a higher power controller Torque control: the throttle controls the torque
		控制模式	Control mode	速度控制:油门控制转速 功率控制:预留 位置控制:预留		Speed control: the throttle controls the speed Power control: reserved
		工作模式	Work mode	位直控制: 灰田 可选: 两象限 (預留) 、四象限		Position control: reserved Optional: 1-Two quadrants (reserved)
		1119624	WORK HOUSE	TAGE PERSON CINERAL PRINCIPA	TT or Smile de Mo	2-Four quadrants
					用于调节电流 的感应时间,	
					根据经验值做 调整。需要在 厂家指导下设	
		相电流比例增益Kp	Phase current Kp	建议在厂家指导下设置,不建议用户修改	置,不建议用 户修改	It's recommended to set it up under the guidance of the manufacturer. User modification is not recommended
					经验值,无法 具体量化,需	user modification is not recommended
					要整车的工 况,做对应的	
					微调: PID参数 整定	
					用于调节电流 的感应时间,	
					根据经验值做 调整。需要在	
					厂家指导下设 置,不建议用	It's recommended to set it up under the guidance of the manufacturer.
		相电流积分增益Ki	Phase current Ki	建议在厂家指导下设置,不建议用户修改	户修改 经验值,无法	User modification is not recommended
					具体量化,需 要整车的工 况,做对应的	
					微调: PID参数 整定	
					用于调节转速	
					的感应时间, 根据经验值做	
					调整。需要在 厂家指导下设 置,不建议用	
		转速比例增益Kp	Rotor speed Kp	建议在厂家指导下设置,不建议用户修改	户修改 经验值,无法	It's recommended to set it up under the guidance of the manufacturer. User modification is not recommended
					具体量化,需 要整车的工	
					况,做对应的 微调:PID参数	
					整定 用于调节转速	
					的感应时间,	
					根据经验值做 调整。需要在 厂家指导下设	
		转速积分增益Ki	Rotor speed Ki	建议在厂家指导下设置,不建议用户修改	置,不建议用 户修改	It's recommended to set it up under the guidance of the manufacturer. User modification is not recommended
					经验值,无法 具体量化,需	and modification is not recommended
					要整车的工 况,做对应的 微调:PID参数	
					整定	
					用于调节母线 电流的感应时	
					间,根据经验 值做调整。需	
		母线电流比例增益Kp	Bus current Kp	建议在厂家指导下设置,不建议用户修改	要在厂家指导 下设置,不建 议用户修改	It's recommended to set it up under the guidance of the manufacturer.
					经验值,无法 具体量化,需	User modification is not recommended
					要整车的工 况,做对应的	
					微调:PID参数 整定	
					用于调节母线 电流的感应时	
					间,根据经验 值做调整。需	
					要在厂家指导 下设置,不建	It's recommended to set it up under the guidance of the manufacturer.
		母线电流积分增益Ki	Bus current Ki	建议在厂家指导下设置,不建议用户修改	议用户修改 经验值,无法	User modification is not recommended
					具体量化,需 要整车的工	
					况,做对应的 微调:PID参数 整定	
					当电机有弱磁	
					控制时,用于 调节弱磁的感	
					应时间,根据 经验值做调 整工票本厂	
		弱磁比例增益Kp	Flux weakening Kp	建议在厂家指导下设置,不建议用户修改	整。需要在厂 家指导下设 置,不建议用	It's recommended to set it up under the guidance of the manufacturer.
					户修改 经验值,无法	User modification is not recommended
					具体量化,需 要整车的工	
					况,做对应的 微调:PID参数 整定	
					登足 当电机有弱磁	
					控制时,用于 调节弱磁的感	
					应时间,根据 经验值做调	
					整。需要在厂 家指导下设	It's recommended to set it up under the guidance of the manufacturer.
		弱磁积分增益Ki	Flux weakening Ki	建议在厂家指导下设置,不建议用户修改	置,不建议用 户修改	User modification is not recommended
					经验值,无法 具体量化,需 要整车的工	
					况,做对应的 微调:PID参数	
					整定	The maximum operating voltage of the controllar if area this
电池	Battery	过压关断阈值(V)	Over voltage shutdown threshold(V) Under voltage limit threshold(V)	控制器最大工作电压,超过此电压会过压关断		The maximum operating voltage of the controller, if over this voltage, the controller will be shutdown
		欠压限流阈值(V)	onder voitage milit threshold(V)	低于此电压,控制器开始限流	I	Below this voltage, the controller starts to limit the current

		欠压关断阈值(V)	Under voltage shutdown threshold(V)	低于此电压,控制器会停止工作。 欠压限流和欠压关断之间为线性限流,电压越低电流越小	Below this voltage, the controller will be shutdown.  It's linear current limit between under voltage limit and under
电机	Motor	电机类型	Motor type	BLDCM: 方波 PMSM: 正弦波	voltage shutdown, the lower the voltage, the smaller the current BLDCM: square wave PMSM: sine wave
-EAPL	motor	<b>电机关</b> 型	Motor type	PMDM: ICTATO ACIM: 预留 预留 当打开弱磁功能时候,此转速为弱磁介入转速,譬	ACIM: reserved
		额定转速(rpm)	Rated rotor speed(rpm)	放置为1600RPM,当电机转速大于1600时,弱磁功能开始运作。	Reserved
		极对数	Number of pole-pairs	控制器支持最高电气转速为90000rpm,可设置极对数应满	This controller supports a maximum electrical speed of 90,000 rpm. should meet requirement: Maximum rotational speed * number of pole-
				足: 最大转速*极对数≤90000	pairs ≤ 90,000  The back electromotive force coefficient of the motor, can be
		BEMF常数 Lg常数	BEMF constant  La constant	电机反电动势系数,可自学习识别 预留	identified by self-learning Reserved
		Ld常数	Ld constant	預留	Reserved
		主传感器类型	Main SPF sensor type	None: 无 Hall: 霍尔传感器	None: NA Hall: Hall sensor
				Encoder: 增量式编码器(预留) EncoderPWM: 带PWM信号的增量式编码器(预留)	Encoder: Incremental encoder (reserved) EncoderPWM: Incremental encoder with PWM signal (reserved)
		主传感器霍尔类型 主传感器相移量(°)	Main SPF sensor placement  Main SPF sensor phase shift(° )	霍尔传感器类型: 60°、120° 传感器角度偏移量,可自学习识别	Hall sensor type: 60°, 120° Sensor angle offset, can be identified by self-learning
		主传感器分辨率(PPR) 主传感器AB信号反向	Main SPF sensor pulses per revolution(PPR)  Main SPF sensor revert A B signal	編码器分辨率(預留) 編码器AB信号反向(預留)	Encoder resolution (reserved)  Encoder AB signal inverted (reserved)
		主传感器滤波系数	Main SPF sensor input capture filter	传感器滤波系数: 0~15	Sensor filter coefficient: 0~15
		辅传感器类型	Aux SPF sensor type	None: 无 Hall: 霍尔传感器 Encoder: 增量式编码器	None: NA Hall: Hall sensor Encoder: Incremental encoder
		辅传感器霍尔类型	Aux SPF sensor placement	EncoderPWM: 带PWM信号的增量式编码器	EncoderPWM: Incremental encoder with PWM signal
		辅传感器相移量(°)	Aux SPF sensor phase shift(°)	霍尔传感器类型: 60°、120°(預留) 传感器角度偏移量,可自学习识别(预留)	Hall sensor type: 60°, 120° (reserved)  Sensor angle offset, can be identified by self-learning (reserved)
		辅传感器分辨率(PPR) 辅传感器AB信号反向	Aux SPF sensor pulses per revolution(PPR)  Aux SPF sensor revert A B signal	編码器分辨率 (預留) 編码器AB信号反向 (預留)	Encoder resolution (reserved)  Encoder AB signal inverted (reserved)
		辅传感器滤波系数 PIM信号反向	Aux SPF sensor input capture filter SPF sensor invert PWM signal	传感器滤波系数: 0~15 (预留) 带PWM信号的增量式编码器, PWM信号反向 (预留)	Sensor filter coefficient: 0~15 (reserved)  Incremental encoder with PWM signal, PWM signal inverted (reserved)
		电机温度传感器型号	Motor temperature sensor type	可选: None (无) 、KTY84-130/150、PT1000、 230K/B4537	Optional: None, KTY84-130/150, PT1000, 230K/B4537
		电机过温限流阈值(℃)	Motor over temperature limit threshold(°C)	电机高于此温度,控制器开始限流	When the motor temperature is higher than this value, the controller starts to limit the current
					When the motor temperature is higher than this value, the controller
		电机过温关断阈值(℃)	Motor over temperature shutdown threshold(°C)	电机高于此温度,控制器停止工作。 过温限流和过温关断之间为线性限流,温度越高电流越小	will be shutdown.  It's linear current limit between over temperature current limit and over temperature, thutdown, the higher the temperature, the smaller is
				常规: 适用于常规加速器	over temperature shutdown, the higher the temperature, the smaller scurrent  Regular for regular throttles
加速器	Throttle	加速器类型	Throttle type	常观: 這用士常規加速器 单轴操纵杆: 适用于单轴操纵杆加速器 双轴操纵杆: 預留	Regular: for regular throttles Single-axis joystick: for single-Axis joystick throttle Two-axis joystick: reserved
		加速器模式	Throttle mode	油门加速曲线: 线性、舒适、运动	Throttle acceleration curve: linear, comfortable, sports
		上电防飞车使能	Throttle not reset check enable	使能时,上电油门加速器信号有效,控制器不工作,防止 飞车	When enabled, if the throttle signal is valid when the power is on, the controller does not work to prevent danger
		主加速器最小故障阈值(mV)	Main throttle min fault threshold(mV)	油门加速器输出电压低于此阈值时报主加速器故障	When throttle output voltage is lower than this threshold, the main throttle failure will be reported
		主加速器最小有效阈值(mV) 主加速器最大有效阈值(mV)	Main throttle min reference threshold(mV)  Main throttle max reference threshold(mV)	油门加速器有效电压起始值 油门加速器有效电压终止值	Throttle valid voltage starting value Throttle valid voltage end value
		主加速器最大故障阈值(mV)	Main throttle max fault threshold(mV)	油门加速器输出电压高于此阈值时报主加速器故障	When throttle output voltage is higher than this threshold, the main throttle failure will be reported
		辅加速器最小故障阈值(mV)	Aux throttle min fault threshold(mV)	线性剥车输出电压低于此阈值时报辅加速器故障(预留)	When the linear brake output voltage is lower than this threshold, auxiliary throttle failure will be reported (reserved)
		納加速器最小有效阈值(mV) 納加速器最大有效阈值(mV)	Aux throttle min reference threshold(mV)  Aux throttle max reference threshold(mV)	线性剥车有效电压起始值 (预留) 线性剥车有效电压终止值 (预留)	Linear brake valid voltage starting value (reserved)  Linear brake valid voltage end value (reserved)
		納加速器最大故障阈值(mV)	Aux throttle max fault threshold(mV)	线性刹车输出电压高于此阈值时报辅加速器故障(预留)	When the linear brake output voltage is higher than this threshold, auxiliary throttle failure will be reported (reserved)
挡位	Gear	方向正反	Direction positive or negative	挡位和实际前进倒车方向相反时,选择反切换	When the gear position is opposite to the actual forward and reverse direction, select reverse shift
		N挡使能	Neutral gear enable	禁止: 倒车线和GXD断开方前进。短接为倒车 使能: 前进线和GXD贴挂同时倒车线和GXD断开为前进。 前进线和GXD断开同时倒车线和GXD短接为倒车; 前进线、倒车线和GXD同时断开空档	Disable: Disconnect reverse line and GND to move forward, and connect reverse.  Emable: Connect forward line and GND while disconnect reverse line at GND to move forward;  Disconnect forward line and GND while connect reverse line at GND to reverse;  Disconnect forward line, reverse line and GND at the same time for neutral.
		三連模式	Gear mode	接挡,高速线和GOD射接同时低速线和GOD斯开为高速挡。 高速线和GOD斯开同时低速线和GOD斯接为低速挡。 高速线和GOD斯介持介势中提升。 总动,高速线和GOD斯介性开关。每接一次开头挡位加 ,指位在低速,中递、高速部 加减、高速线和GOD斯介性开关。每接一次开头挡位加 一般尚加加高度挡不变 低速线和GOD斯介性开关。每接一次开头挡位域 一,最高加到低速挡不变	Shift gear:  Connect high-speed line and GND while disconnect low-speed line and GND for high-speed gear;  Disconnect high-speed gear;  Disconnect high-speed line and GND while connect low-speed line and GND for low-speed gear;  Disconnect high-speed line, low-speed line and GND at the same time for middle-speed gear  Jogging: Connect high-speed line and GND by elastic switch, each time the switch is pressed, the gear will increase by one, and the gear cycled between low speed, middle speed and high speed  Increase & decrease:  Connect high-speed line and GND by elastic switch, each time the switch is pressed, the gear will increase by one, and the maximum increase to high-speed gear then remain unchanged:  Connect low-speed line and GND by elastic switch, each time the switch is pressed line and GND by elastic switch, each time the switch is pressed line and GND by elastic switch, each time the switch is pressed, the gear will decease by one, and the maximum decrease to speed gear then remain unchanged
		三速默认挡位	Default gear	三速模式为点动或加减时,控制器上电时的默认挡位	The default gear when the controller is powered on when the gear mod is jogging or increase & decrease
		P挡模式	Parking gear mode	P挡线和GNI埃弹性开关,P挡使能时,按P挡开关开启或解 除P挡,P挡有放时控制器不工作 禁止。P挡禁止 上电无效。P挡接能,上电时P挡无效 上电有效。P挡接能,上电时P挡有效,按P指键解除P挡 上电利车解锁,P挡使能,上电时P挡有效,刻车解除P挡	Connect P gear line and GND by elastic switch, when P gear function enabled, press the switch to activate or release P gear, the controller does not work when P gear is valid Disable: P gear is disabled Power-on invalid: P gear is enabled, P gear is invalid when power or Power-on valid: P gear is enabled, P gear is valid when power is on, press the switch to release the P gear Power-on brake unlock: P gear is enabled, P gear is valid when power is on, and the brake releases the P gear
		S挡相电流比例(%) 高速挡相电流比例(%) 中速挡相电流比例(%)	Sport gear phase current ratio(%) High gear phase current ratio(%) Middle gear phase current ratio(%)	S/当对应最大相电流百分比 高速挡对应最大相电流百分比 中速挡对应最大相电流百分比	Percentage of the maximum phase current at sport gear Percentage of the maximum phase current at high gear Percentage of the maximum phase current at middle gear
		低速挡相电流比例(%) 倒车挡相电流比例(%)	Low gear phase current ratio(%) Reverse gear phase current ratio(%)	低速挡对应最大相电流百分比 倒车挡对应最大相电流百分比	Percentage of the maximum phase current at low speed Percentage of the maximum phase current at reverse gear
		S挡转速比例(%) 高速挡转速比例(%)	Sport gear rotor speed ratio(%) High gear rotor speed ratio(%)	S指对应最大转速百分比 高速挡对应最大转速百分比	Percentage of the maximum rotor speed at sport gear  Percentage of the maximum rotor speed at high gear
		中速挡转速比例(%)	Middle gear rotor speed ratio(%)	中速挡对应最大转速百分比	Percentage of the maximum rotor speed at middle gear
		低速挡转速比例(%) 倒车挡转速比例(%)	Low gear rotor speed ratio(%) Reverse gear rotor speed ratio(%)	低速挡对应最大转速百分比 倒车挡对应最大转速百分比	Percentage of the maximum rotor speed at low gear Percentage of the maximum rotor speed at reverse gear
		S挡母线电流比例(%) 高速挡母线电流比例(%)	Sport gear bus current ratio(%) High gear bus current ratio(%)	S挡对应最大母线电流百分比 高速挡对应最大母线电流百分比	Percentage of the maximum bus current at sport gear Percentage of the maximum bus current at high gear
		中速挡母线电流比例(%)	Middle gear bus current ratio(%)	中速挡对应最大母线电流百分比	Percentage of the maximum bus current at middle gear
		低速挡母线电流比例(%) 倒车挡母线电流比例(%)	Low gear bus current ratio(%) Reverse gear bus current ratio(%)	低速挡对应最大母线电流百分比 倒车挡对应最大母线电流百分比	Percentage of the maximum bus current at low gear Percentage of the maximum bus current at reverse gear
野磁	Flux Weakening	弱磁电流(A) 弱磁参考比例(%)	Flux weakening current(A) Flux weakening reference ratio(%)	弱磁电流 弱磁介入比例	Weak magnetic current The proportion of weak magnetic intervention
EBS	EBS	EBS电流(A)	EBS reference current(A)	EBS最大电流,电流越大刹车越厉害	EBS maximum current, the bigger the current, the more powerful the brake
		EBS电压(V)	EBS max voltage(V) EBS min rotor speed(rpm)	EBS最高电压,高于此电压会停止EBS EBS最低转速,低于此转速会停止EBS	EBS maximum voltage, higher than this voltage will stop EBS
		EBS转速(rpm) EBS自动模式使能	EBS auto mode enable	使能时,松油门自动开启EBS	EBS minimum speed, below this speed will stop EBS When enabled, releasing the throttle will automatically turn on EBS
驻车	Hold	驻车电流(A) 防溜坡使能	Hold current(A) ARB enable	預留	Reserved Reserved

线性油门可 调EBS

自学习	Self-learning		Self-learning reference D	D轴自学习参数		D-axis self-learning parameters
		自学习参考值Q	Self-learning reference Q	Q轴自学习参数		Q-axis self-learning parameters
仪表	Meter	仪表类型	Meter type	可选: 一线通、霍尔		Optional: One Line, Hall
		转速脉冲数 (PPR)	Rotor speed pulses per revolution(PPR)	霍尔仪表模式时,电机转一圈输出的脉冲数		In the Hall meter mode, the number of pulses output by the motor for one revolution
		轮胎直径(cm)	Tire diameter(cm)	用于计算上位机显示速度		Used to calculate the speed displayed on upper computer
		速比(%)	Transmitting ratio(%)	变速箱速比,用于计算上位机显示速度		Transmission speed ratio, used to calculate the speed displayed on upper computer
		速度单位	Speed unit	可选: km/h、mph。上位机显示速度单位		Optional: km/h, mph. unit of speed displayed on upper computer
		速度校正系数(%)	Speed factor(%)	用于速度校准		For speed calibration
通信	Communication		Bluetooth enable	預留	暂不开放,不 做修改数据	Reserved
		蓝牙登录密码	Bluetooth login password	默认串号SN后11位	可修改密码	The last 11 digits of SN by default
		RS485通信协议	RS485 communication protocol	1: MODBUS		1: MODBUS
		CAN通信协议	CAN communication protocol	1: 控制器与仪表CAN通信协议 2: 控制器与整车控制器CAN通信协议	根据客户实际 需求,选择对 应的通信协议 则需要选择对 应的1或者2	1: CAN communication protocol between controller and meter 2: CAN communication protocol between controller and the vehicle controller
		控制器编号	Part number	设置控制器ID		Set up the controller ID
直液接触器	Line contactor	直流接触器模式	Contactor mode	LCON:直流接触器模式 RCON: 创年挡接触器吸合 控制器过温接触器吸合 电机过温接触器吸合 也机过温接触器吸合 控制器或电机过温接触器吸合	如字面意思	LLOW: Line contactor mode RCOW: reverse gear contactor on controller over temperature contactor on motor over temperature contactor on controller or motor over temperature contactor on
		线圈电压(V)	Contactor coil voltage(V)	直流接触器线圈电压	默认是电池额 定电压	Line contactor coil voltage
		控制器过温吸合阈值(℃)	Controller over temperature threshold contactor on(°C)	控制器过温接触器吸合温度阈值	当接触器作为 控制器的类似 温度传感器使 用	Controller over temperature contactor on temperature threshold
		电机过温吸合阈值(℃)	Motor over temperature threshold contactor on(°C)	电机过温接触器吸合温度阈值	当接触器作为 电机的类似温 度传感器使用	Motor over temperature contactor on temperature threshold
蜂鸣器	Buzzer	蜂鸣器使能	Buzzer enable	使能或禁止蜂鸣器	使能:有蜂鸣器的滴滴声禁止:无蜂鸣器的滴滴声	Enable or disable the buzzer
厂家参数	Factory settings			厂家参数,用户不能修改		Factory parameters, cannot be modified by users

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