Value		**erider Furry 6kW, 24s Lifepo4, factory settings**	**erider VK2008, 4kW motor, 22s Lifepo4, my settings (Ctirad)**	**Nanoha's cromotor stealth 20s**	**erider VK2008, 4kW motor, 24s Lifepo4, initial settings (honYa)**	E-max 2008 110S, 72V Lifepo4, settings (flexy)	5000w cromotor clone(nextwave)
BASIC	function:						
DC Current limited volt	voltage before going into current limiting mode	60V	66V	65	72V	63V	65V
Lack volt	battery LVC cut off	60V	61V	63	67V	60V	60V
Over volt	battery HVC cut off	90V	90V	90	95V	95V	95V
Rated DC current	nominal battery current	100A	80A	150	100A	120A	100A
Max DC current	maximal battery current	100A	100A	150	120A	150A	150A
Limit DC current	when voltage is under "DC current limited volt" limit battery current to:	15A	30A	2	30A	30A	20A
Rated phase current	nominal phase current	60A	100A	350	150A	150A	150A
Max phase current	maximum phase current	350A	240A	350	240A	300A	300A
Protected phase current	maximum phase current cut off?	450A	300A	450	300A	400A	400A
TEMP							
Unwork temperature	hi temp cut out	90C	90C	80	90C	100C	90C
Rework Temperature	temp before working again	80C	75C	70	75C	90C	80C
Limited Current Temperature		70C	70C	75	70C	80C	70C
FUNC							
Throttle protect	don't spin motor when the throttle is not zero durning power on	ENABLED	ENABLED	ENABLED	DISABLED		
Brake protect		DISABLED	ENABLED	DISABLED	DISABLED		
General brake	stop motor when brake is pressed	DISABLED	ENABLED	ENABLED	ENABLED	ENABLED	
Electric Brake	start to regen when brake is pressed	ENABLED	DISABLED	DISABLED	DISABLED	ENABLED	
BOOST	push higher current for a 1 minute when BOOST switch is pressed	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	
Cruise		DISABLED	DISABLED	DISABLED	DISABLED		

Flux Weakening	field wekaning increases top speed above the limit given by BEMF voltage and supply voltage	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	
Reverse current limit	maximal current for reverse mode	0A	20A	1A	20A	30A	
Flux weken current	fied weakening current	50A	40A	50A	50A	30A	
Electric brake ph(ase?) curent	maximal phase(?) current durning ebrake	40A	10A	3A	10A	80A	
Slide recharge	start to regen when the delta between actual RPM and throttle is above "slde recharge speed" value	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	
Slide recharge ph(ase?) current	maximal phase (?) current durning slide recharge	40A	25A	3A	25A	25A	
Slide recharge speed	start "slide recharge" regen when actual RPM is higher of this value to the throttle value	50RPM	300RPM	300RPM	300RPM	50RPM	
THROTTLE							
Throttle min volt	throttle output minimal voltage	1.40V	1.3V	1.1V	1.3V	1.35V	
Throttle max volt	throttle output maximal voltage	4.60V	4.60V	4.45V	4.60V	4.6V	
Throttle middle volt	throttle output middle position voltage	3.00V	3V	3V	3V	3V	
Throttle middle phase current	phase current when in middle throttle position	100A	100A	120A	120A	100A	
Accelerate time	throttle response time	200ms	100ms	100ms	50ms	200ms	
Deccelerate time	throttle response time	300ms	300ms	10ms	300ms	300ms	
MOTOR							
motor direction	1.00 = forward 2.00 = backward	1.00	1	1	1	0	
Motor Pn	number of motor poles	28.00	28	28	28	20	
Motor Lmd	???	200.00				50	
Motor speed limit select	speed limiter setup?	no limit	no limit	no limit	no limit	no limit	
Motor speed limit set	speed limiter?	600.00%	600%	600%	600%	600%	
DEBUG							
Current loop kp	internal constants?	299.00		1000	299	299	
Current loop ki	internal constants?	9.00		9	9		
ID cmd	iddle current for initial calibration?						
Hall angle		262.00	261	181	262	69	