Login Refresh □ Auto



Commands

Save Parameters to Flash

Restore Parameters from Flash

Restore Defaults

Start Inverter in manual Mode

Stop Inverter

Display Error Memory

Reset CAN Mapping

Send Custom Command

Wifi Settings

For all Support Please Email support@zero-ev.co.uk

Board Serial Number:

Update

Use binary files (stm32_sine.bin) for updating inverter firmware. Upload any other file for updating this web interface.

Choose file No file chosen	Upload

Parameters

Parameter Reference

<u>Download Parameter File</u> Downloads the parameters as per the last table update

Choose file No file chosen Upload

Type new value and hit enter to change. Only change one value at a time.

Messages: Clear

Toggle Category Visibility

Name	Value	Unit	Minimum	Maximum	Default
- Motor					
boost	2200	dig	0	37813	1700

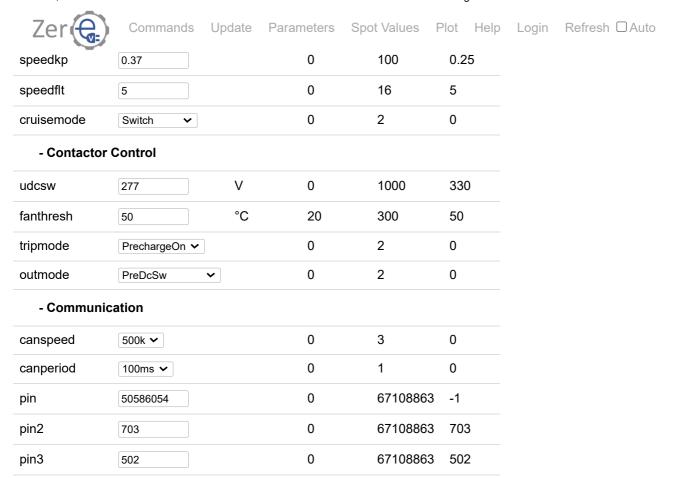
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Zer	Commands Up	date Parar	meters Spo	ot Values - F	Plot Help	Login Refresh □Auto
tconst	400	Hz	U	1000	180	
udcnom	0	V	0	1000	0	
fslipmin	1.5	Hz	0	10	1	
fslipmax	4	Hz	0	10	3	
fslipconstmax	6.5	Hz	0	10	5	
polepairs	2		1	16	2	
roadspeedgain	7.68	1000r/mile	0	20	8.18	
encmode	AB 🕶		0	5	0	
fmin	1	Hz	0	400	0.18	
fmax	600	Hz	0	1000	200	
fmaxrev	150	Hz	0	1000	200	
numimp	36	ppr	8	8192	60	
dirchrpm	100	rpm	0	2000	100	
dirmode	SwitchRevNoPot >		0	7	1	
- Inverter						
pwmfrq	17.6kHz ✓		0	4	1	
pwmpol	ACTHIGH ~		0	1	0	
deadtime	63	dig	0	255	63	
ocurlim	-1200	Α	-65536	65536	100	
minpulse	1000	dig	0	4095	1000	
il1gain	-1.5	dig/A	-100	100	4.68	
il2gain	-1.5	dig/A	-100	100	4.68	
udcgain	7.5	dig/V	0	4095	6.15	
udcofs	0	dig	0	4095	0	
udclim	450	V	0	1000	540	
- Derating						
bmslimhigh	50	%	0	100	50	
bmslimlow	-50	%	-100	0	-1	
udcmin	260	V	0	1000	450	
udcmax	345	V	0	1000	520	
iacmax	800	Α	0	5000	5000	
idcmax	400	Α	0	5000	5000	
idcmin	-500	Α	-5000	0	-5000	

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### Intertable Intertable	Zer	Commands Up	odate Para	meters Sp	ot Values	Plot Help	Login Refresh □Au	ıto
Private Pr	ıtıtrıse	10	dıg	U	32	10		
potmin 850 dig 0 4095 0 potmax 3800 dig 0 4095 4095 potZmin 4095 dig 0 4095 4095 potZmax 4095 dig 0 4095 4095 potZmax 4095 dig 0 4095 4095 potmode SingleRegen □ 0 2 0 throtramp 2 0 %/10ms 1 100 100 throtramprpm 20000 rpm 0 20000 20000 throtmax 100 % 0 100 100 slipstart 40 % 10 100 50 slipstart 40 % 10 100 50 slipstart2 50 % 10 100 50 accelmax 1000 rpm/10ms 1 1000 1000 accelmax 2 1000 rpm/10ms 1 1000 1000 accelmax 2 1000 rpm/10ms 1 1000 1000 accelmax 1000 rpm/10ms 1 1000 1000 brknompedal 80 % 100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brknompedal 70 % 100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brknomedal 70 % 100 0 -50 brknomedal 70 % 100 0 -30 brknamax 100 0	ifltfall	0	dig	0	32	3		
pottmax 3800 dig 0 4095 4095 pot2min 4095 dig 0 4095 4095 pot2min 4096 dig 0 4095 4095 pot2max 4096 0 2 0 throtramp 20 %/10ms 1 100 100 throtramppm 20000 rpm 0 20000 20000 throtram 100 % 0 100 100 throtram 2 100 %/10ms 1 100 100 throtram 2 100 % 0 100 100 throtram 3 100 % 0 100 100 sampmin 5 % 0 100 100 50 salipstart 40 % 10 100 50 salipstart 40 % 10 100 50 saccelmax 1000 rpm/10ms 1 1000 1000 accelmax 1000 rpm/10ms 1 1000 1000 accelmax 1000 rpm/10ms 1 1000 1000 accelmax 1000 rpm/10ms 1 1000 1000 brknompedal 60 % -100 0 -50 brknompedal -80 % -100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brkrepdalramp 2 100 %/10ms 1 100 100 brkrepdalramp 2 100 %/10ms 1 100 100 brkrepdalramp 2 50 % 0 100 30 brkrnom 60 % 0 100 30 brkrnom 50 % 0 100 30 brkrnom2 50 % 1-100 0 -30 brkrmax 80 % -100 0 -30 brkrmax 80 % -100 0 -30 brkrmax 50 Hz 0 400 10 brkrampstr 50 Hz 0 400 10	- Throttle							
pot2min 4095 dig 0 4095 4095 pot2max 4095 dig 0 4095 4095 pot2max 4095 dig 0 4095 4095 potmode SingleReger 0 2 0 throtramp 2 0 9/10ms 1 100 100 throtramp2 100 9/10ms 1 100 100 throtmax 100 9/10ms 1 100 100 throtmax 100 9/10m 100 100 throtmax 100 9/10m 100 100 throtmaxev 60 9/10 100 100 slipstart 40 9/10 100 100 50 slipstart 40 9/10 100 100 50 slipstart 50 9/10 100 1000 accelmax 1000 rpm/10ms 1 1000 1000 brknompedal 60 9/6 -100 0 -50 brknompedal2 50 9/6 -100 0 -50 brknompedal2 50 9/6 100 100 30 brknompedal2 50 9/6 0 100 30 brknompedal2 50 9/6 0 100 30 brknompedal2 50 9/6 -100 0 -30 brknom2 50 9/6 -100 0 -30 brkmax 60 9/6 -100 0 -30 brkmax 50 9/6 -100 0 -30 brkmay 50 9/6 -100 0 -30	potmin	850	dig	0	4095	0		
pot2max	potmax	3800	dig	0	4095	4095		
potnode SingleRegen	pot2min	4095	dig	0	4095	4095		
throtramp 20 %/10ms 1 100 100 throtramp2 100 %/10ms 1 100 100 throtramprm 20000 rpm 0 20000 20000 throtmax 100 % 0 100 100 throtmax 2 100 % 0 100 100 throtmaxev 60 % 0 100 100 ampmin 5 % 0 100 100 50 slipstart 40 % 10 100 50 accelmax 1000 rpm/10ms 1 1000 1000 accelmax 2 1000 rpm/10ms 1 1000 1000 accelmax 3 dig 1 5 3 - Regen brknompedal 60 % -100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brkpedalramp 2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 100 0 -30 brknom2 50 % -100 0 -30 brkrampstr 50 Hz 0 400 10	pot2max	4095	dig	0	4095	4095		
throtramp2 100	potmode	SingleRegen ✔		0	2	0		
throtramprpm 20000 rpm 0 20000 20000 throtmax 100 % 0 100 100 100 throtmax2 100 % 0 100 100 100 ampmin 5 % 0 100 100 50 slipstart 40 % 10 100 50 slipstart2 50 % 10 100 1000 accelmax 1000 rpm/10ms 1 1000 1000 accelfft 3 dig 1 5 3 Tegen brknompedal 60 % -100 0 -50 brknompedal2 -50 % -100 0 -50 brknompedal2 100 %/10ms 1 100 100 brknompedal2 100 %/10ms 1 100 100 brknompedal2 50 % 0 100 30 brknomped 50 % 0 100 30 brknomped 50 % 0 100 30 brknomped 50 % -100 0 -30 brkrampstr 50 Hz 0 400 10	throtramp	20	%/10ms	1	100	100		
throtmax 100 % 0 100 100 throtmax2 100 % 0 100 100 throtmaxev 60 % 0 100 100 ampmin 5 % 0 100 100 slipstart 40 % 10 100 50 slipstart2 50 % 10 100 100 accelmax 1000 rpm/10ms 1 1000 1000 accelmax2 1000 rpm/10ms 1 1000 1000 accelft 3 dig 1 5 3 - Regen brknompedal 60 % -100 0 -50 brknompedal2 50 % -100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brknom2 50 % -100 0 -30 brkmax2 -50 % -100 0 -30 brkrmax -60 % -100 0 -30 brkrmax5 -50 % -100 0 -30 brkrmax5 -50 % -100 0 -30 brkrmax6 -50 % -100 0 -30 brkrmax7 -50 Hz 0 400 10	throtramp2	100	%/10ms	1	100	100		
throtmax2	throtramprpm	20000	rpm	0	20000	20000		
throtmaxrev 60 % 0 100 100 ampmin 5 % 0 100 10 slipstart 40 % 10 100 50 slipstart2 50 % 10 100 100 accelmax 1000 rpm/10ms 1 1000 1000 accelmax2 1000 rpm/10ms 1 1000 1000 accelfit 3 dig 1 5 3 - Regen brknompedal 60 % -100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax 60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr 50 Hz 0 400 10	throtmax	100	%	0	100	100		
ampmin 5 % 0 100 100 50 slipstart 40 % 10 100 50 slipstart2 50 % 10 100 100 50 accelmax 1000 rpm/10ms 1 1000 1000 accelmax2 1000 rpm/10ms 1 1000 1000 accelfit 3 dig 1 5 3 - Regen brknompedal 60 % -100 0 -50 brknompedal2 -50 % -100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax 60 % -100 0 -30 brkmax 50 % -100 0 -30 brkmax2 -50 Hz 0 400 10	throtmax2	100	%	0	100	100		
Slipstart 40	throtmaxrev	60	%	0	100	100		
slipstart2 50 % 10 100 50 accelmax 1000 rpm/10ms 1 1000 1000 accelmax2 1000 rpm/10ms 1 1000 1000 accelfit 3 dig 1 5 3 - Regen brknompedal -60 % -100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax -60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	ampmin	5	%	0	100	10		
accelmax 1000 rpm/10ms 1 1000 1000 accelmax2 1000 rpm/10ms 1 1000 1000 accelfit 3 dig 1 5 3 - Regen brknompedal 60 % -100 0 -50 brknompedal2 50 % -100 0 -50 brkpedalramp 10 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax 60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr 50 Hz 0 400 10 brkrampstr 50 Hz 0 400 10	slipstart	40	%	10	100	50		
accelmax2 1000 rpm/10ms 1 1000 1000 accelfit 3 dig 1 5 3 - Regen brknompedal -60 % -100 0 -50 brknompedal2 -50 % -100 0 100 brkpedalramp 10 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax -60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10	slipstart2	50	%	10	100	50		
Accelfit 3 dig 1 5 3 3 3 3 4 5 5 3 5 5 5 5 5 5 5	accelmax	1000	rpm/10ms	1	1000	1000		
- Regen brknompedal	accelmax2	1000	rpm/10ms	1	1000	1000		
brknompedal	accelflt	3	dig	1	5	3		
brknompedal2 -50	- Regen							
brkpedalramp 10 %/10ms 1 100 100 brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax -60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brknompedal	-60	%	-100	0	-50		
brkpedalramp2 100 %/10ms 1 100 100 brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax -60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brknompedal2	-50	%	-100	0	-50		
brknom 60 % 0 100 30 brknom2 50 % 0 100 30 brkmax -60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brkpedalramp	10	%/10ms	1	100	100		
brknom2 50 % 0 100 30 brkmax -60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brkpedalramp2	100	%/10ms	1	100	100		
brkmax -60 % -100 0 -30 brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brknom	60	%	0	100	30		
brkmax2 -50 % -100 0 -30 brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brknom2	50	%	0	100	30		
brklim -70 % -100 0 -30 brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brkmax	-60	%	-100	0	-30		
brkrampstr 50 Hz 0 400 10 brkrampstr2 10 Hz 0 400 10	brkmax2	-50	%	-100	0	-30		
brkrampstr2 10 Hz 0 400 10	brklim	-70	%	-100	0	-30		
	brkrampstr	50	Hz	0	400	10		
brkout -30 % -100 -1 -50	brkrampstr2	10	Hz	0	400	10		
	brkout	-30	%	-100	-1	-50		

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Spot Values

Show Gauges

Name	Value	Unit	Plot	CAN Id	Position	Bits	Gain	Map to CAN
version	10.17.R		□ I □ r					TX RX
opmode	Run		□ I □ r	294	0	4	1	can not be mapped again
drivemode	1		□ I □ r	294	12	1	1	can not be mapped again
limreason	NoLimit		□ I □ r	295	0	8	1	can not be mapped again
lasterr	CURRENTLIMIT	-	□ I □ r					TX RX
udc	315.18	V	□ I □ r	293	16	16	10	can not be mapped again

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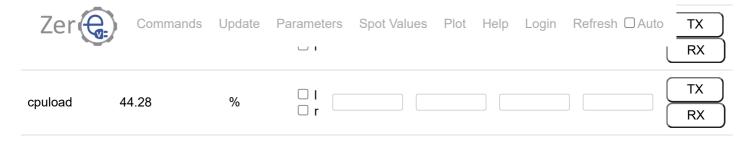
Zer	Commands	Update P	arameters	s Spot Val	ues Plot	Не	elp Login	Refresh □ Auto	an not be apped again
il1	0.65	Α							TX RX
il2	1.31	Α							TX RX
ilmax	3	Α	□ I □ r	293	48		16	10	can not be mapped again
uac	0.65	V							TX RX
il1rms	1.4	Α							TX RX
il2rms	1.34	А	□ I □ r						TX RX
boostcalc	2200	dig							TX RX
fweakcalc	220	Hz							TX RX
fstat	1.28	Hz							TX RX
fslip	1.28	Hz							TX RX
speed	0	rpm		294	16		16	1	can not be mapped again
roadspeed	0	kmh/mph	□ l □ r	599	0		16	10	can not be mapped again
turns	312								TX RX
amp	115	dig	O I						TX RX
ampnom	4.78	%							TX RX

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Zero EV Inverter Management

Zer	Commands	Update	Parameters	Spot Valu	ues Plot	Help	Login	Refresh □ Auto	TX RX
pot	857	dig							TX RX
pot2	26	dig							TX RX
potnom	0	%	□ I □ r	3	32	10	6	1	can not be mapped again
dir	Neutral		□ I □ r	4	8	4] [1	can not be mapped again
tmphs	16.87	°C	□ I □ r	4	32	10	6	1	can not be mapped again
tmpm	12.18	°C	□ I □ r	4	48	10	6	1	can not be mapped again
canio									TX RX
din_cruise	Off								TX RX
din_start	Off		□ I □ r						TX RX
din_brake	Off		□ I □ r	4	15	1] [1	can not be mapped again
din_mprot	Ok								TX RX
din_forward	Off								TX RX
din_reverse	Off		□ I □ r						TX RX
din_emcystop	Ok								TX RX
din_ocur	Ok		□ I □ r						TX RX

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Plot



Start Plot Stop Plot Pause Plot Limit data points to: 1000 Burst length: 10

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Charting by chart.js

Gauges by Mykhailo Stadnyk

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