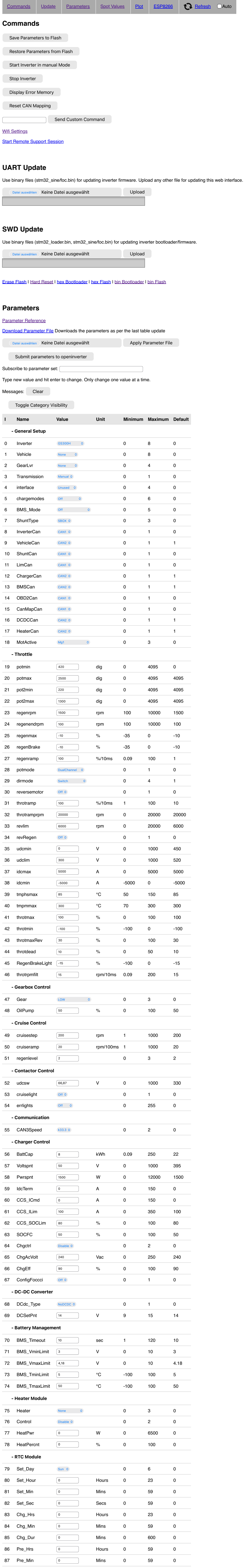


Commands

Wifi Settings

Start Remote Support Session

UART Update

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

SWD Update

Use binary files (stm32_loader.bin, stm32_sine/foc.bin) for updating inverter bootloader/firmware.

Erase Flash | Hard Reset | hex Bootloader | hex Flash | bin Bootloader | bin Flash

Parameters

Parameter Reference

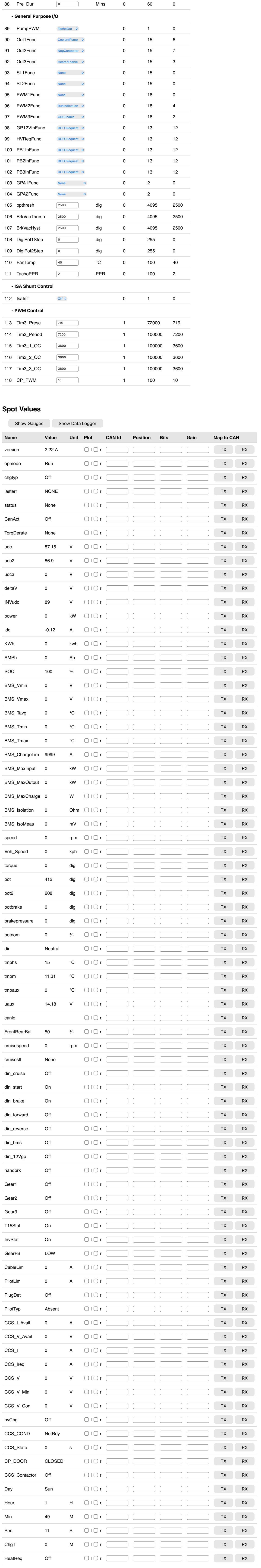
Download Parameter File Downloads the parameters as per the last table update

Subscribe to parameter set:

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

Messages:

I	Name	Value	Unit	Minimum	Maximum	Default
	- General Setup					
0	Inverter	GS300H		0	8	0
1	Vehicle	None		0	8	0
2	GearLvr	None		0	4	0
3	Transmission	Manual		0	1	0
4	interface	Unused		0	4	0
5	chargemodes	Off		0	6	0
6	BMS_Mode	Off		0	5	0
7	ShuntType	SBOX		0	3	0
8	InverterCan	CAN1		0	1	0
9	VehicleCan	CAN2		0	1	1
10	ShuntCan	CAN1		0	1	0
11	LimCan	CAN1		0	1	0
12	ChargerCan	CAN2		0	1	1
13	BMSCan	CAN2		0	1	1
14	OBD2Can	CAN1		0	1	0
15	CanMapCan	CAN1		0	1	0
16	DCDCCan	CAN2		0	1	1
17	HeaterCan	CAN2		0	1	1
18	MotActive	Mg1		0	3	0
	- Throttle					
19	potmin	420	dig	0	4095	0
20	potmax	2500	dig	0	4095	4095
21	pot2min	220	dig	0	4095	4095
22	pot2max	1300	dig	0	4095	4095
23	regenrpm	1500	rpm	100	10000	1500
24	regenendrpm	100	rpm	100	10000	100
25	regenmax	-10	%	-35	0	-10
26	regenBrake	-10	%	-35	0	-10
27	regenramp	100	%/10ms	0.09	100	1
28	potmode	DualChannel		0	1	0
29	dirmode	Switch		0	4	1
30	reversemotor	Off		0	1	0
31	throtramp	100	%/10ms	1	100	10
32	throtramprpm	20000	rpm	0	20000	20000
33	revlim	6000	rpm	0	20000	6000
34	revRegen	Off		0	1	0
35	udcmin	0	V	0	1000	450
36	udclim	300	V	0	1000	520
37	idcmax	5000	A	0	5000	5000
38	idcmin	-5000	A	-5000	0	-5000
39	tmphsmax	85	°C	50	150	85
40	tmpmmax	300	°C	70	300	300
41	throtmax	100	%	0	100	100
42	throtmin	-100	%	-100	0	-100
43	throtmaxRev	30	%	0	100	30
44	throtdead	10	%	0	50	10
45	RegenBrakeLight	-15	%	-100	0	-15
46	throtrpmfilt	15	rpm/10ms	0.09	200	15
	- Gearbox Control					
47	Gear	LOW		0	3	0
48	OilPump	50	%	0	100	50
	- Cruise Control					
49	cruisestep	200	rpm	1	1000	200
50	cruiseramp	20	rpm/100ms	1	1000	20
51	regenlevel	2		0	3	2
	- Contactor Control					
52	udcsw	66,87	V	0	1000	330
53	cruiselight	Off		0	1	0
54	errlights	Off		0	255	0
	- Communication					
55	CAN3Speed	k33.3		0	2	0
	- Charger Control					
56	BattCap	8	kWh	0.09	250	22
57	Voltspnt	50	V	0	1000	395
58	Pwrspnt	1500	W	0	12000	1500
59	IdcTerm	0	A	0	150	0
60	CCS_ICmd	0	A	0	150	0
61	CCS_ILim	100	A	0	350	100
62	CCS_SOCLim	80	%	0	100	80
63	SOCFC	50	%	0	100	50
64	Chgctrl	Disable		0	2	0
65	ChgAcVolt	240	Vac	0	250	240
66	ChgEff	90	%	0	100	90
67	ConfigFoccci	Off		0	1	0
	- DC-DC Converter					
68	DCdc_Type	NoDCDC		0	1	0
69	DCSetPnt	14	V	9	15	14
	- Battery Management					
70	BMS_Timeout	10	sec	1	120	10
71	BMS_VminLimit	3	V	0	10	3
72	BMS_VmaxLimit	4,18	V	0	10	4.18
73	BMS_TminLimit	5	°C	-100	100	5
74	BMS_TmaxLimit	50	°C	-100	100	50
	- Heater Module					
75	Heater	None		0	3	0
76	Control	Disable		0	2	0
77	HeatPwr	0	W	0	6500	0
78	HeatPercnt	0	%	0	100	0
	- RTC Module					
79	Set_Day	Sun		0	6	0
80	Set_Hour	0	Hours	0	23	0
81	Set_Min	0	Mins	0	59	0
82	Set_Sec	0	Secs	0	59	0
83	Chg_Hrs	0	Hours	0	23	0
84	Chg_Min	0	Mins	0	59	0
85	Chg_Dur	0	Mins	0	600	0
86	Pre_Hrs	0	Hours	0	59	0
87	Pre_Min	0	Mins	0	59	0



88	Pre_Dur	0	Mins	0	60	0
	- General Purpose I/O					
89	PumpPWM	TachoOut		0	1	0
90	Out1Func	CoolantPump		0	15	6
91	Out2Func	NegContactor		0	15	7
92	Out3Func	HeaterEnable		0	15	3
93	SL1Func	None		0	15	0
94	SL2Func	None		0	15	0
95	PWM1Func	None		0	18	0
96	PWM2Func	RunIndication		0	18	4
97	PWM3Func	OBCEnable		0	18	2
98	GP12VInFunc	DCFCRequest		0	13	12
99	HVReqFunc	DCFCRequest		0	13	12
100	PB1InFunc	DCFCRequest		0	13	12
101	PB2InFunc	DCFCRequest		0	13	12
102	PB3InFunc	DCFCRequest		0	13	12
103	GPA1Func	None		0	2	0
104	GPA2Func	None		0	2	0
105	ppthresh	2500	dig	0	4095	2500
106	BrkVacThresh	2500	dig	0	4095	2500
107	BrkVacHyst	2500	dig	0	4095	2500
108	DigiPot1Step	0	dig	0	255	0
109	DigiPot2Step	0	dig	0	255	0
110	FanTemp	40	°C	0	100	40
111	TachoPPR	2	PPR	0	100	2
	- ISA Shunt Control					
112	IsaInit	Off		0	1	0
	- PWM Control					
113	Tim3_Presc	719		1	72000	719
114	Tim3_Period	7200		1	100000	7200
115	Tim3_1_OC	3600		1	100000	3600
116	Tim3_2_OC	3600		1	100000	3600
117	Tim3_3_OC	3600		1	100000	3600
118	CP_PWM	10		1	100	10

Spot Values

Show Gauges Show Data Logger

Name	Value	Unit	Plot	CAN Id	Position	Bits	Gain	Map to CAN
version	2.22.A		☐ l ☐ r					TX RX
opmode	Run		☐ l ☐ r					TX RX
chgtyp	Off		☐ l ☐ r					TX RX
lasterr	NONE		☐ l ☐ r					TX RX
status	None		☐ l ☐ r					TX RX
CanAct	Off		☐ l ☐ r					TX RX
TorqDerate	None		☐ l ☐ r					TX RX
udc	87.15	V	☐ l ☐ r					TX RX
udc2	86.9	V	☐ l ☐ r					TX RX
udc3	0	V	☐ l ☐ r					TX RX
deltaV	0	V	☐ l ☐ r					TX RX
INVudc	89	V	☐ l ☐ r					TX RX
power	0	kW	☐ l ☐ r					TX RX
idc	-0.12	A	☐ l ☐ r					TX RX
KWh	0	kwh	☐ l ☐ r					TX RX
AMPh	0	Ah	☐ l ☐ r					TX RX
SOC	100	%	☐ l ☐ r					TX RX
BMS_Vmin	0	V	☐ l ☐ r					TX RX
BMS_Vmax	0	V	☐ l ☐ r					TX RX
BMS_Tavg	0	°C	☐ l ☐ r					TX RX
BMS_Tmin	0	°C	☐ l ☐ r					TX RX
BMS_Tmax	0	°C	☐ l ☐ r					TX RX
BMS_ChargeLim	9999	A	☐ l ☐ r					TX RX
BMS_MaxInput	0	kW	☐ l ☐ r					TX RX
BMS_MaxOutput	0	kW	☐ l ☐ r					TX RX
BMS_MaxCharge	0	W	☐ l ☐ r					TX RX
BMS_Isolation	0	Ohm	☐ l ☐ r					TX RX
BMS_IsoMeas	0	mV	☐ l ☐ r					TX RX
speed	0	rpm	☐ l ☐ r					TX RX
Veh_Speed	0	kph	☐ l ☐ r					TX RX
torque	0	dig	☐ l ☐ r					TX RX
pot	412	dig	☐ l ☐ r					TX RX
pot2	208	dig	☐ l ☐ r					TX RX
potbrake	0	dig	☐ l ☐ r					TX RX
brakepressure	0	dig	☐ l ☐ r					TX RX
potnom	0	%	☐ l ☐ r					TX RX
dir	Neutral		☐ l ☐ r					TX RX
tmphs	15	°C	☐ l ☐ r					TX RX
tmpm	11.31	°C	☐ l ☐ r					TX RX
tmpaux	0	°C	☐ l ☐ r					TX RX
uaux	14.18	V	☐ l ☐ r					TX RX
canio			☐ l ☐ r					TX RX
FrontRearBal	50	%	☐ l ☐ r					TX RX
cruisespeed	0	rpm	☐ l ☐ r					TX RX
cruisestt	None		☐ l ☐ r					TX RX
din_cruise	Off		☐ l ☐ r					TX RX
din_start	On		☐ l ☐ r					TX RX
din_brake	On		☐ l ☐ r					TX RX
din_forward	Off		☐ l ☐ r					TX RX
din_reverse	Off		☐ l ☐ r					TX RX
din_bms	Off		☐ l ☐ r					TX RX
din_12Vgp	Off		☐ l ☐ r					TX RX
handbrk	Off		☐ l ☐ r					TX RX
Gear1	Off		☐ l ☐ r					TX RX
Gear2	Off		☐ l ☐ r					TX RX
Gear3	Off		☐ l ☐ r					TX RX
T15Stat	On		☐ l ☐ r					TX RX
InvStat	On		☐ l ☐ r					TX RX
GearFB	LOW		☐ l ☐ r					TX RX
CableLim	0	A	☐ l ☐ r					TX RX
PilotLim	0	A	☐ l ☐ r					TX RX
PlugDet	Off		☐ l ☐ r					TX RX
PilotTyp	Absent		☐ l ☐ r					TX RX
CCS_I_Avail	0	A	☐ l ☐ r					TX RX
CCS_V_Avail	0	V	☐ l ☐ r					TX RX
CCS_I	0	A	☐ l ☐ r					TX RX
CCS_Ireq	0	A	☐ l ☐ r					TX RX
CCS_V	0	V	☐ l ☐ r					TX RX
CCS_V_Min	0	V	☐ l ☐ r					TX RX
CCS_V_Con	0	V	☐ l ☐ r					TX RX
hvChg	Off		☐ l ☐ r					TX RX
CCS_COND	NotRdy		☐ l ☐ r					TX RX
CCS_State	0	s	☐ l ☐ r					TX RX
CP_DOOR	CLOSED		☐ l ☐ r					TX RX
CCS_Contactor	Off		☐ l ☐ r					TX RX
Day	Sun		☐ l ☐ r					TX RX
Hour	1	H	☐ l ☐ r					TX RX
Min	49	M	☐ l ☐ r					TX RX
Sec	11	S	☐ l ☐ r					TX RX
ChgT	0	M	☐ l ☐ r					TX RX
HeatReq	Off		☐ l ☐ r					TX RX

U12V	0	V	☐ l ☐ r					TX	RX
I12V	0	A	☐ l ☐ r					TX	RX
ChgTemp	0	°C	☐ l ☐ r					TX	RX
AC_Volts	0	V	☐ l ☐ r					TX	RX
AC_Amps	0	A	☐ l ☐ r					TX	RX
canctr	15	dig	☐ l ☐ r					TX	RX
cpuload	3.78	%	☐ l ☐ r					TX	RX
PPVal	0	dig	☐ l ☐ r					TX	RX
BrkVacVal	0	dig	☐ l ☐ r					TX	RX
tmpheater	0	°C	☐ l ☐ r					TX	RX
udcheater	0	V	☐ l ☐ r					TX	RX
powerheater	0	W	☐ l ☐ r					TX	RX
VehLockSt	Off		☐ l ☐ r					TX	RX
serial	43075843		☐ l ☐ r					TX	RX

Plot

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

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