Commands

Send Parameters to Flash

Restore Parameters from Flash

Start Inverter in manual Mode

Stop Inverter

Display Error Memory

Reset CAN Mapping

Send Custom Command

Wifi Settings

Start Remote Support Session

UART Update

Use binary files (esp32_smaRo.bin) for updating inverter firmware. Upload any other file for updating this web interface.

Select a file... Keine Datei ausgewählt Upload

SWD Update

Use binary files (esp32_loader.bin, stm32_smaRo.bin) for updating inverter bootloader/firmware.

Select a file... Keine Datei ausgewählt Upload

Erase Flash | Hard Reset | App Bootloader | App Flash | Go Bootloader | Go Flash

Parameters

Parameter Reference

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

Select a file... Keine Datei ausgewählt Apply Parameter File

Submit parameters to openinverter

Subscribe to parameter set:

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

Messages Clear

sec: 10

1 Toggle Category Visibility

#	Name	Value	Unit	Minimum	Maximum	Default
	General Setup					
0	Inverter	0000802		0	8	0
1	Vehicle	0000		0	4	0
2	SaveLvl	0000		0	4	0
3	Transmission	0000		0	1	0
4	Interface	0000		0	3	0
5	chargemodes	0000		0	4	0
6	BMS_Mode	0000		0	2	0
7	ShuntType	0000		0	3	0
8	InverterCase	0000		0	1	0
9	VehicleCan	0000		0	1	0
10	ShuntCan	0000		0	1	0
11	LimCan	0000		0	1	0
12	ChargerCan	0000		0	1	0
13	BMSCan	0000		0	1	0
14	OBDSCan	0000		0	1	0
15	CanMapCan	0000		0	1	0
16	DCDCCan	0000		0	1	0
17	HeaterCan	0000		0	1	0
18	MyNode	0000		0	15	0
	Throttle					
19	potmin	000	digi	0	4095	0
20	potmax	4095	digi	0	4095	4095
21	potmin	000	digi	0	4095	4095
22	potmax	4095	digi	0	4095	4095
23	regenrpm	1500	rpm	100	10000	1500
24	regenregenpoint	100	rpm	100	10000	100
25	regenmax	10	%	-30	0	-10
26	regenBrakeMax	10	%	-30	0	-10
27	regenramp	100	%/100ms	0.05	100	1
28	potmode	0000		0	1	0
29	throttle	0000		0	1	0
30	reverserotor	0000		0	1	0
31	throtramp	0000	%/10ms	0.05	100	10
32	throtramprpm	0000	rpm	0	20000	20000
33	nduhm	0000	rpm	0	20000	9000
34	nwRegen	0000		0	1	0
35	udcmin	000	V	0	1000	450
36	udcfw	000	V	0	1000	520
37	idcmax	0000	A	0	5000	5000
38	idcmin	0000	A	-5000	0	-5000
39	tmphactive	000	°C	50	100	85
40	tmpmotsa	000	°C	70	300	300
41	throtmax	100	%	0	100	100
42	throtmin	100	%	-100	0	-100
43	throttrimPlus	00	%	0	100	50
44	throttrimMi	00	%	0	100	50
45	RegenBrakeLight	10	%	-100	0	-15
46	throtpot45	000	rpm/10ms	0.05	255	15
	Overlave Control					
47	Gear	0000		0	3	0
48	CPCutoff	100	%	0	100	50
	Cruise Control					
49	cruisestep	000	rpm	1	1000	200
50	cruisenstep	000	rpm/100ms	1	1000	20
51	regenmod	0		0	3	2
	Contactor Control					
52	udcsw	0000	V	0	1000	530
53	enablehigh	0000		0	1	0
54	enablepc	0000		0	250	0
	Communication					
55	CANSpeed	0000		0	2	0
	Charger Control					
56	BatCap	000	kWh	0.05	250	22
57	IsetSpot	000	A	0	1000	285
58	Pwmpoint	1000	W	0	12000	1500
59	ActTemp	000	°C	0	250	0
60	CCS_nCmd	000	A	0	150	0
61	CCS_ILim	000	A	0	350	100
62	CCS_SOCLim	000	%	0	100	80
63	SOCFC	000	%	0	100	50
64	ChgAct	0000		0	1	0
65	ChgNoVolt	000	Vac	0	250	240
66	ChgEff	000	%	0	100	90
67	ConfigFloat	0000		0	1	0
	DC-DC Converter					
68	DCdc_Type	0000		0	1	0
69	DCSetPnt	000	V	0	15	14
	Battery Management					
70	BMS_Timeout	00	sec	1	120	10
71	BMS_ImaxLimit	000	A	0	10	3
72	BMS_TempLimit	000	°C	-100	100	0.18
73	BMS_TempLimit	000	°C	-100	100	5
74	BMS_TempLimit	00	°C	-100	100	50
	Heater Module					
75	Heater	0000		0	3	0
76	Control	0000		0	1	0
77	HeatPwr	000	W	0	6000	0
78	HeatPnt	00	°C	0	100	0
	RTC Module					
79	Set_Day	00		0	6	0
80	Set_Hour	00	Hours	0	59	0
81	Set_Min	00	Mins	0	59	0
82	Set_Sec	00	Secs	0	59	0
83	Chg_Hrs	00	Hours	0	59	0
84	Chg_Min	00	Mins	0	59	0
85	Chg_Dur	00	Mins	0	59	0
86	Pre_Hrs	00	Hours	0	59	0
87	Pre_Min	00	Mins	0	59	0
88	Pre_Dur	00	Mins	0	59	0
	General Purpose I/O					
89	AuxPWM	0000		0	1	0
90	DutyFreq	0000		0	15	4
91	DutyFreq	0000		0	15	7
92	DutyFreq	0000		0	15	9
93	SLPFreq	0000		0	15	0
94	SLPFreq	0000		0	15	0
95	PWMFreq	0000		0	18	0
96	PWMPulse	0000		0	18	0
97	PWMFreq	0000		0	18	2
98	GPOSHFreq	0000		0	13	12
99	HPWMFreq	0000		0	13	12
100	PB1hFreq	0000		0	13	12
101	PB2hFreq	0000		0	13	12
102	PB3hFreq	0000		0	13	12
103	GPAFreq	0000		0	2	0
104	GPAPulse	0000		0	2	0
105	pgMotor	000		0	4095	2500
106	MotorThresh	000		0	4095	2500
107	BrkVacInput	000		0	4095	2500
108	pgBrkVac	000		0	4095	2500
109	DigPotStep	00		0	255	0
110	FanTemp	00	°C	0	100	40
111	SpiUnPWM	0000		0	2	0
	ISA Shunt Control					
112	ispind	0000		0	1	0
	PWM Control					
113	Tim3_Freq	000		1	72000	119
114	Tim3_Period	000		1	100000	7200
115	Tim3_1_DC	0000		1	100000	3600
116	Tim3_2_DC	0000		1	100000	3600
117	Tim3_3_DC	0000		1	100000	3600
118	CP_PWM	00		1	100	10

Spot Values

1 Show Gauges Show Data Logger

Name	Value	Unit	Plot	CAN Id	Position	Bits	Gain	Map to CAN
version	2.25.A		☐ ☐ ☐ ✓					TX RX
opmode	Run		☐ ☐ ☐ ✓					TX RX
chgtyp	Off		☐ ☐ ☐ ✓					TX RX
lasterr	NONE		☐ ☐ ☐ ✓					TX RX
status	None		☐ ☐ ☐ ✓					TX RX
TorqDerate	None		☐ ☐ ☐ ✓					TX RX
udc	87.16	V	☐ ☐ ☐ ✓					TX RX
udc2	86.8	V	☐ ☐ ☐ ✓					TX RX
udc3	0	V	☐ ☐ ☐ ✓					TX RX
deltaV	0	V	☐ ☐ ☐ ✓					TX RX
MinAct	0	V	☐ ☐ ☐ ✓					TX RX
power	0	kW	☐ ☐ ☐ ✓					TX RX
idc	0	A	☐ ☐ ☐ ✓					TX RX
KWh	0	kwh	☐ ☐ ☐ ✓					TX RX
daKh	0	Ah	☐ ☐ ☐ ✓					TX RX
SOC	100	%	☐ ☐ ☐ ✓					TX RX
BMS_Vmin	0	V	☐ ☐ ☐ ✓					TX RX
BMS_Vmax	0	V	☐ ☐ ☐ ✓					TX RX
BMS_Tavg	0	°C	☐ ☐ ☐ ✓					TX RX
BMS_Tmin	0	°C	☐ ☐ ☐ ✓					TX RX
BMS_Tmax	0	°C	☐ ☐ ☐ ✓					TX RX
BMS_MaxChargeA	0000	A	☐ ☐ ☐ ✓					TX RX
BMS_MaxInput	0	kW	☐ ☐ ☐ ✓					TX RX
BMS_MaxOutput	0	kW	☐ ☐ ☐ ✓					TX RX
BMS_MaxDischargeA	0	A	☐ ☐ ☐ ✓					TX RX
BMS_Isolation	0	Ohm	☐ ☐ ☐ ✓					TX RX
BMS_IsoMeas	0	mV	☐ ☐ ☐ ✓					TX RX
speed	0	rpm	☐ ☐ ☐ ✓					TX RX
fwd_Speed	0	kph	☐ ☐ ☐ ✓					TX RX
torque	0	dNg	☐ ☐ ☐ ✓					TX RX
pot	416	dig	☐ ☐ ☐ ✓					TX RX
pot2	272	dig	☐ ☐ ☐ ✓					TX RX
potbrake	0	dig	☐ ☐ ☐ ✓					TX RX
brakepressure	0	dig	☐ ☐ ☐ ✓					TX RX
potnom	0	%	☐ ☐ ☐ ✓					TX RX
dir	Neutral		☐ ☐ ☐ ✓					TX RX
tmphs	0	°C	☐ ☐ ☐ ✓					TX RX
tmpm	11	°C	☐ ☐ ☐ ✓					TX RX
tmpaux	0	°C	☐ ☐ ☐ ✓					TX RX
vout	13.34	V	☐ ☐ ☐ ✓					TX RX
canio			☐ ☐ ☐ ✓					TX RX
PrintPotPerBit	50	%	☐ ☐ ☐ ✓					TX RX
crosssupport	0	rpm	☐ ☐ ☐ ✓					TX RX
crossed	None		☐ ☐ ☐ ✓					TX RX
din_cruise	Off		☐ ☐ ☐ ✓					TX RX
din_start	Off		☐ ☐ ☐ ✓					TX RX
din_brake	On		☐ ☐ ☐ ✓					TX RX
din_forward	Off		☐ ☐ ☐ ✓					TX RX
din_reverse	Off		☐ ☐ ☐ ✓					TX RX
din_bms	Off		☐ ☐ ☐ ✓					TX RX
din_12Vdjp	Off		☐ ☐ ☐ ✓					TX RX
handbrk	Off		☐ ☐ ☐ ✓					TX RX
Gear1	Off		☐ ☐ ☐ ✓					TX RX
Gear2	Off		☐ ☐ ☐ ✓					TX RX
Gear3	Off		☐ ☐ ☐ ✓					TX RX
T15Stat	On		☐ ☐ ☐ ✓					TX RX
ImotGain	0.00		☐ ☐ ☐ ✓					TX RX
GearPB	LOW		☐ ☐ ☐ ✓					TX RX
CabinLim	0	A	☐ ☐ ☐ ✓					TX RX
PotLim	0	A	☐ ☐ ☐ ✓					TX RX
PlugDet	Off		☐ ☐ ☐ ✓					TX RX
PlotTyp	Absent		☐ ☐ ☐ ✓					TX RX
CCS_I_Avail	0	A	☐ ☐ ☐ ✓					TX RX
CCS_V_Avail	0	V	☐ ☐ ☐ ✓					TX RX
CCS_I	0	A	☐ ☐ ☐ ✓					TX RX
CCS_Imtq	0	A	☐ ☐ ☐ ✓					TX RX
CCS_V	0	V	☐ ☐ ☐ ✓					TX RX
CCS_V_Min	0	V	☐ ☐ ☐ ✓					TX RX
CCS_V_Con	0	V	☐ ☐ ☐ ✓					TX RX
hvChg	Off		☐ ☐ ☐ ✓					TX RX
CCS_CONO	NotRdy		☐ ☐ ☐ ✓					TX RX
CCS_Stat	0	=	☐ ☐ ☐ ✓					TX RX
CP_DOOR	CLOSED		☐ ☐ ☐ ✓					TX RX
CCS_Contactor	Off		☐ ☐ ☐ ✓					TX RX
Day	Sun		☐ ☐ ☐ ✓					TX RX
Hour	0	H	☐ ☐ ☐ ✓					TX RX
Min	3	M	☐ ☐ ☐ ✓					TX RX
Sec	5	S	☐ ☐ ☐ ✓					TX RX
ChgT	0	M	☐ ☐ ☐ ✓					TX RX
HeatReq	Off		☐ ☐ ☐ ✓					TX RX
cruiV	0	V	☐ ☐ ☐ ✓					TX RX
cruI	0	A	☐ ☐ ☐ ✓					TX RX
ChgTemp	0	°C	☐ ☐ ☐ ✓					TX RX
AC_Volts	0	V	☐ ☐ ☐ ✓					TX RX
AC_Amps	0	A	☐ ☐ ☐ ✓					TX RX
vacuh	7	dkg	☐ ☐ ☐ ✓					TX RX
vpulsat	3.87	%	☐ ☐ ☐ ✓					TX RX
PPAir	0	dig	☐ ☐ ☐ ✓					TX RX
BrkVacVal	0	dig	☐ ☐ ☐ ✓					TX RX
tmpheater	0	°C	☐ ☐ ☐ ✓					TX RX
udcheater	0	V	☐ ☐ ☐ ✓					TX RX
powerheater	0	W	☐ ☐ ☐ ✓					TX RX
VehLockSt	Off		☐ ☐ ☐ ✓					TX RX
serial	4097BA63		☐ ☐ ☐ ✓					TX RX

Plot

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

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