

Control Logic

- Critical
- Charging
- Discharging
- Thermal
- Remote

Critical

CriticalChargingDischargingThermalRemoteSoC limitsTempViewVoltView

Edit

Mode

Auto

BattOK state

Monitor

Threshold

Actual

State

Lo Cell Volt

On

2.50

CV1

3.34

V

Hi Cell Volt

On

3.65

CV12

3.35

V

Lo Cell Celcius

On

5

CT1

19

°C

Hi Cell Celcius

On

45

CT9

21

°C

Lo Ambient

Off

-15

BT1

21

°C

Hi Ambient

Off

65

BT9

°C

Lo Supply Volt

On

20.0

BS1

23.7

V

Hi Supply Volt

On

30.0

BS6

V

Delay transition - Stop

120.0

sec

StatusRx

Delay Restart

On

45.0

sec

SetupRx

Monitor

Threshold

Actual

State

Lo Shunt Volt

On

40.00

QV1

53.83

V

Hi Shunt Volt

On

58.40

QV9

V

Idle Shunt Volt

Off

51.20

QV6

V

Monitor

Max Current

C-Rate

Charge

Off

40.00

QA6

0.50

A

Discharge

Off

140.00

QA1

0.50

A

Shunt Current

-4.1

A

560,000

Ah

Extra Parameters

Charging

CriticalChargingDischargingThermalRemoteSoC limitsTempViewVoltView

Edit

Mode

Auto

ON state

Allow Limited

On

Monitor

Threshold

Actual

State

Cell Hi Cutout

On

3.60

CV10

3.35

V

Cell Hi Resume

On

3.35

CV8

V

Limited Power Cell Volt

2.80

CV5

V

Monitor

Threshold

Actual

State

Shunt Hi Cutout

On

56.50

QV8

53.81

V

Shunt Hi Resume

On

54.00

QV7

V

Limited Power Shunt Volt

44.80

QV4

V

Monitor

Threshold

Actual

State

Lo Cell Celcius

Off

0

CT3

19

°C

Hi Cell Celcius

Off

45

CT6

21

°C

Monitor

Threshold

Actual

State

Lo Ambient

Off

-5

BT3

21

°C

Hi Ambient

Off

55

BT6

°C

Monitor

Threshold

Actual

State

Supply Hi Cutout

Off

56.8

BS5

23.7

V

Supply Hi Resume

Off

56.8

BS4

V

Delay transition - Stop

5.0

sec

StatusRx

Delay transition - Restart

45.0

sec

SetupRx

LimPower

Bypass Inital

On

0.30

CA1

0.00

A

Bypass Final

On

0.10

CA2

0.00

A

Bypass Session

On

50.0

CA3

0.0

mAh

Bypass Complete

Bypass thermal relief

Discharging

Critical
Charging
Discharging
Thermal
Remote
SoC limits
TempView
VoltView

Edit

Mode
Auto
ON state

Allow Limited
On

	Monitor	Threshold	Actual	State
Cell Low Cutout	On	2.80	CV3 3.33	V
Cell Low Resume	On	3.10	CV4	V
Limited Power Cell Volt		2.90	CV6	V

	Monitor	Threshold	Actual	State
Low Cell Celcius	On	-5	CT2 19	°C
Hi Cell Celcius	On	50	CT7 21	°C

Low Ambient	Off	-10	BT2 21	°C
Hi Ambient	Off	60	BT7	°C

Supply Lo Cutout	Off	9.0	BS2 23.7	V
Supply Lo Resume	Off	9.0	BS3	V

Delay transition - Stop	20.0	sec	StatusRx
Delay transition - Restart	30.0	sec	SetupRx

	Monitor	Threshold	Actual	State
Shunt Low Cutout	On	44.80	QV2 53.68	V
Shunt Low Resume	On	49.60	QV3	V
Limited Power Shunt Volt		50.90	QV5	V

SoC% Low Cutout	On	15.0	QC1 100.0	%
SoC% Low Resume	On	20.0	QC7	%

Thermal

CriticalChargingDischargingThermalRemoteSoC limitsTempViewVoltView

Edit

StatuSetuj

Cooling parameters

ModeManual Off

☐ OFF state

	Monitor	Threshold	Gap		Actual	State		Delay transition
Hi Cell Celcius	On	<div><div>42</div></div>	<div><div>5</div></div>	CT5	<div><div>21</div></div>	<input type="checkbox"/> °C	Stop	<div><div>60.0</div></div> sec
Hi Ambient	On	<div><div>47</div></div>	<div><div>5</div></div>	BT5	<div><div>21</div></div>	<input type="checkbox"/> °C	Restart	<div><div>30.0</div></div> sec
In Bypass	On	<div><div></div></div>			<div><div>0.00</div></div>	<input type="checkbox"/> A		

Heating parameters

ModeManual Off

☐ OFF state

	Monitor	Threshold	Gap		Actual	State		Delay transition
Lo Cell Celcius	Off	<div><div>5</div></div>	<div><div>5</div></div>	CT4	<div><div>19</div></div>	<input type="checkbox"/> °C	Stop	<div><div>60.0</div></div> sec
Lo Ambient	On	<div><div>0</div></div>	<div><div>5</div></div>	BT4	<div><div>21</div></div>	<input type="checkbox"/> °C	Restart	<div><div>45.0</div></div> sec

Remote

Critical Charging Discharging Thermal Remote SoC limits TempView VoltView

Edit

Charge Targets

Template

Ramped Targets

State

Normal Power

Ramped

Limited

Voltage

55.7

55.7

V

Current

280.0

200.0

80.0

4.0

2.0

A

SoC%

85.0

97.5

99.5

100.0

%

#Max

#3

#2

#1

#Low

Discharge Targets

State

Normal Power

Ramped

Limited

Voltage

48.0

48.0

V

Current

280.0

200.0

150.0

50.0

10.0

A

SoC%

20.0

15.0

10.0

5.0

%

Canbus Monitoring

Ticks Tx/Rx

140

191

Unk

0

Comms

Actual

Target

Flags

0

0

Timestamp

Voltage

NS

55.7

V

Current

NS

2.0

A

Power

NS

0

VA

Temperature

NS

°C

Comms

Actual

Target

Flags

13330

0

Timestamp

3/6/2023 5:39:24 PM

Voltage

NS

48.0

V

Current

NS

280.0

A

Power

NS

0

VA

Temperature

NS

°C

NS = Not Supplied

StatusRx

SetupRx