

# Control Logic (editable)

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# Critical

CriticalChargingDischargingThermalRemoteSoC limitsTempViewVoltView

Edit

Mode

Auto

BattOK state

	Monitor	Threshold	Actual	State
Lo Cell Volt	On	2.50	CV13.34	V
Hi Cell Volt	On	3.65	CV123.35	V
Lo Cell Celcius	On	5	CT119	°C
Hi Cell Celcius	On	45	CT921	°C
Lo Ambient	Off	-15	BT121	°C
Hi Ambient	Off	65	BT9	°C
Lo Supply Volt	On	20.0	BS123.7	V
Hi Supply Volt	On	30.0	BS6	V

	Monitor	Threshold	Actual	State
Lo Shunt Volt	On	40.00	QV153.83	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	QA60.50	A
Discharge	Off	140.00	QA10.50	A
Shunt Current		-4.1	560,000	Ah

Extra Parameters

Delay transition - Stop

120.0

sec

StatusRx

Delay Restart

On

45.0

sec

SetupRx

# 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

Monitor

Threshold

Actual

State

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
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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