

Mit 1.01.02_11 funktioniert sowohl Werte lesen als auch schreiben
Mit FC_1.01.02_17 hingegen kann nur gelesen, aber nicht geschrieben werden

Manche gehen auf 56000 (3,50 V Zellspannung), jedoch ist 55200 (3,45 V) etwas
Akku schonender und bewirkt nur vernachlässigbaren Kapazitätsverlust.

RfnBMS Tools 1.01.02_11

Monitor Multi monitor History records Protect para System para TestCali Debug BMS update Software settings

Inverter protocol settings

CAN: Victron

RS485: None

Chg cut-off volt (mV): 55200

Max chg current (mA): 140000

Dsg cut-off volt (mV): 44800

Max dsg current (mA): -145000

Read Write

Pack setup

Number of cells: 16

Cell type: Iron phosphate

Design_cap(mAH): 280000

Full_cap(mAH): 294000

Remain capacity: 32500

Cycles: 18

Read Write

BMS production info

BMS SN: 214023051200 Read Write

Pack production infor

Pack SN: GP-SR1-RN150-YW280-30630 Read Write

Version log

SW Log: JLD-BMS-S16A150-4P4L-V0.00.05_02FC G 6247 Mar 29 202309:58:45 Read

HW log

Language Switch

简体中文

繁體中文

English

login password: 127602

SW Ver: JLD-BMS-S16A150-4P4L-V0.00.05_02FC Pack SN: GP-SR1-RN150-YW280-30630 BMS SN: 214023051200 TXD- RXD- Err- System time: 2023-10-24 21:15:31

Nur mit der FC-Firmware kann bis 10% SOC entladen werden.
Nicht-FC Firmware entlädt nur bis 16 %

127602
Erforderlich um alle Reiter aufrufen und Werte schreiben zu können

RfnBMS Tools 1.01.02_11

MonitorMulti monitorHistory recordsProtect paraSystem paraTestCaliDebugBMS updateSoftware settings

Cell_OVP

☒ Alarm volt(mV)3550
 Protect1 volt(mV)3650
 Delay_1(ms)1000
 recovery_1(mV)3400
 Protect2 volt(mV)3800
 Delay_2(ms)1000
 recovery_2(mV)3400
 Release current(mA)-2000

Cell_UVP

☒ Alarm volt(mV)2600
 Protect1 volt(mV)2500
 Delay_1(ms)1000
 recovery_1(mV)2700
 Protect2 volt(mV)2350
 Delay_2(ms)1000
 recovery_2(mV)2700
 Release current(mA)1000

CHG OC

☒ Alarm current(mA)145000
 Protect1 current(mA)150000
 Delay_1(ms)1000
 Auto release(ms)30000
 Lock times3
 Release current(mA)-2000

Dsg OC1

☒ Alarm current(mA)-150000
 Protect_1.1 current(mA)-155000
 Delay_1.1(ms)3000
 Protect_1.2 current(mA)-200000
 Delay_1.2(ms)50
 Auto release(ms)30000
 Lock times3
 Release current(mA)1000

Dsg OC2+ SC

☒ Protect2 current(mA)0
 Delay_2(ms)0
 ShortCurrent(mA)-400000
 Delay (us)70
 Auto release(ms)30000
 Lock times3
 Release current(mA)1000

Pack_OVP

☒ Alarm volt(mV)56000
 Protect1 volt(mV)58400
 Delay_1(ms)3000
 recovery_1(mV)54400
 Release current(mA)-2000

Pack_UVP

☒ Alarm volt(mV)41600
 Protect1 volt(mV)40000
 Delay_1(ms)3000
 recovery_1(mV)43200
 Release current(mA)1000

Charging temp

☒ OTA alarm(°C)50
 OTA (°C)55
 OTA recovery(°C)50
 UTA alarm(°C)5
 UTA (°C)0
 UTA recovery(°C)5

Discharging temp

☒ OTA alarm(°C)50
 OTA (°C)55
 OTA recovery(°C)50
 UTA alarm(°C)-10
 UTA (°C)-20
 UTA recovery(°C)-10

Ambient temp

☒ OTA alarm(°C)65
 OTA (°C)70
 OTA recovery(°C)65
 UTA alarm(°C)-20
 UTA (°C)-25
 UTA recovery(°C)-20

MOS temp

☒ OTC alarm(°C)90
 OTC protect(°C)115
 OTC recovery(°C)85
 OTD alarm(°C)90
 OTD protect(°C)115
 OTD recovery(°C)85

Heating-film temp

☒ OTA alarm(°C)20
 OTA (°C)30
 OTA recovery(°C)20

Cell fail vol

☒ High vol(mV)4900
 Low vol(mV)1000

SOC low!

☒ Alarm
 SOC Endoff(%)8
 SOC Release(%)9

Read allWrite allSelect allUnselect allExport paraImport paraSet default Para

SW Ver: JLD-BMS-S16A150-4P4L-V0.00.05_02FC

Pack SN: GP-SR1-RN150-YW280-30630

BMS SN: 214023051200

TXD- RXD- Err-

System time: 2023-10-24 21:13:30

Alarm schaltet Discharge MOSFET ab und schickt force charge an Inverter, der dann bis SOC Release lädt.

SOC ≤ SOC Release generiert low SOC Alarm am Victron Multiplus

RfnBMS Tools 1.01.02_11

MonitorMulti monitorHistory recordsProtect paraSystem paraTestCaliDebugBMS updateSoftware settings

Power parameter

☒ Sys self-loss(mW)544

Cell sleep vol(mV)3150

Resting delay1440

InspectTime(m)1440

Cell SHIP vol(mV)2650

Current and Charging Para

☒ CurrentSensor(uR)129

HW limitVoltage(mV)3650

HW limitCurrent(mA)160000

Inter-SOC threshold(%)96

CHG end current(mA)2000

Function switch

Sound alarmCloseOpen

Alarm LEDCloseOpen

StaticbalancCloseOpen

BalanceCloseOpen

SOC LEDCloseOpen

Limit 5ACloseOpen

Limit 10ACloseOpen

WeakSwitchCloseOpen

ResetSleepSHIP

Pack setup

☒ Number of cells16

Cell typeIron phosphate

Design_cap(mAH)280000

Full_cap(mAH)294000

Remain capacity32500

Cycles18

Pre-dis/charge parameters

☒ Pre-CHGON

Delay (ms)1000

Pre-DSGON

Delay (ms)1000

To do0

To do0

Communication setting

☒ Address255

RS232 baudrate9600

RS485 baudrate9600

CAN baudrate(K)500

Balance parameter

☒ Turn-on volt(mV)4000

Turn-on volt-diff(mV)30

Pack production infor

☒ Pack SN:GP-SR1-RN150-YW280-30630

ReadWrite

BMS production info

☒ BMS SN:214023051200

ReadWrite

RTC time setting

☒ 2023-10-24 21:14:19

ReadUpdate

Protocol version

☒ Protocol version1.1

Read

Version log

☒ Version logLD-BMS-S16A150-4P4L-V0.00.05_02FC G 6247 Mar 29 202309:58:45

Read

Read allWrite allSelect allUnselect allExport paraImport paraSet default Para

SW Ver: JLD-BMS-S16A150-4P4L-V0.00.05_02FC
 Pack SN: GP-SR1-RN150-YW280-30630
 BMS SN: 214023051200
 TXD-
 RXD-
 Err-
 System time:2023-10-24 21:14:26

4000 mV, damit der Gobel Balancer gar nicht erst zu arbeiten beginnt und ggf. dem aktiven 4A Neeey Balancer in die Quere kommt, welcher bei 3,45 V zu arbeiten beginnt.