

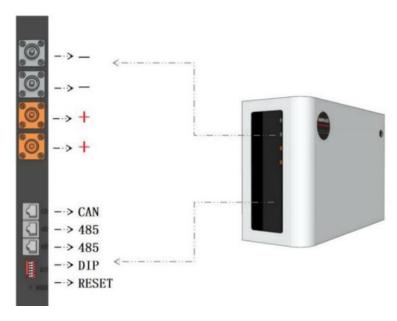
Test Report - Hanchu (Greenlinx) Battery and LUX Inverter

1. Communication

1.1 comm port

CAN Port is for communication with PCS

RS485 Ports are for communication among batteries

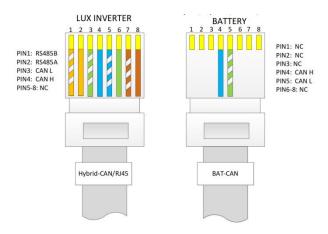


1.2 DIP Configuration

Address	Address dial				Master protocol		D
	#1	#2	#3	#4	#5	#6	Remark
1	ON	OFF	0FF	OFF	OFF	ON	Master
2	0FF	ON	0FF	OFF	0FF	OFF	Slave
3	ON	ON	OFF	OFF	OFF	OFF	Slave
4	0FF	OFF	ON	OFF	OFF	OFF	Slave
5	ON	OFF	ON	OFF	OFF	OFF	Slave
6	0FF	ON	ON	0FF	OFF	OFF	Slave

1.3 PIN out of Both Inverter and Battery





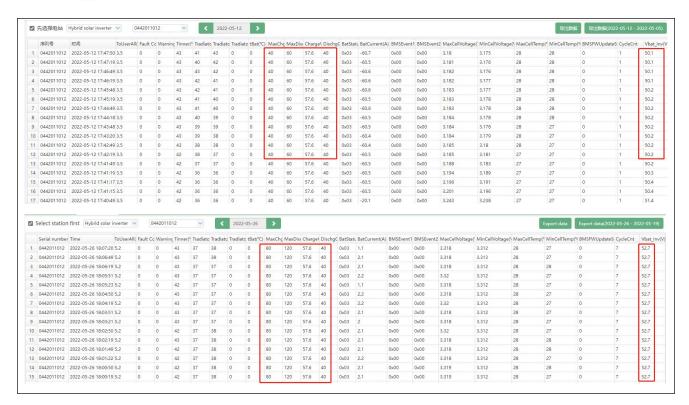
1.4 Communication with Inverter





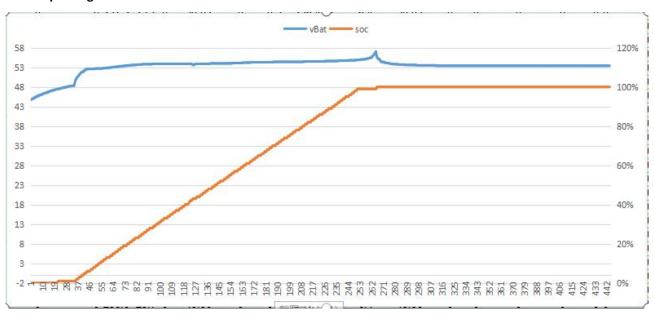
The max. Charge current is 40A each unit and the max. Discharge current is 60A each unit, charge voltage limitation is 57.6V.



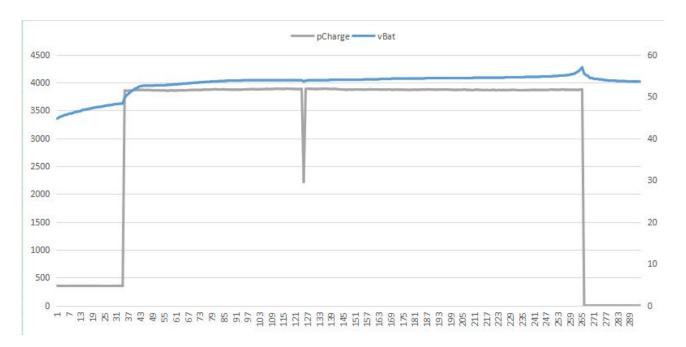


2. Deep Charge and Discharge in Loop

2.1 Deep Charge: There is no SOC fluctuation

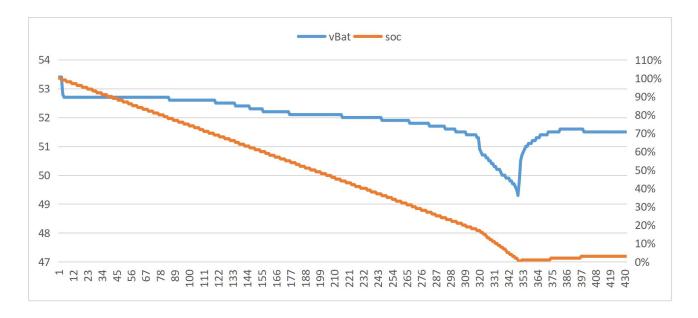




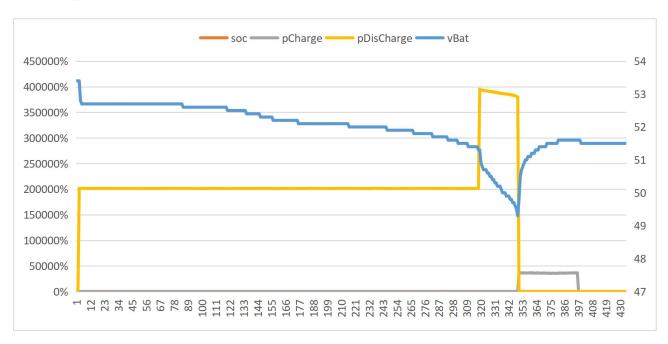


2.2 Deep Discharge: There is no SOC fluctuation

The battery can discharge to 0% and then requests charge ,stop charge at 3%





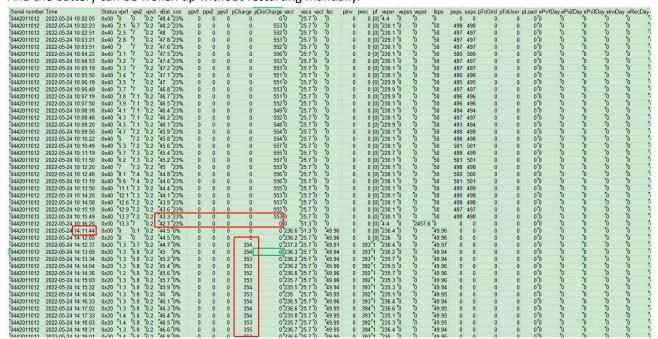


When there is alarm due to low battery voltage, the discharge MOS will be cut off, but communication is still there since the BMS is still on.

3. Wake-up mode

The battery will go to sleep when the battery voltage is lower than 43.2V and there is no power supply on the battery terminals more than 30 min.

Actually the SOC has been 0% at 50V, and there is almost 0.5kWh of energy left before going to sleep state. And the battery can be woken up without restarting manually.





4. Test Result

The Hanchu Home-ESS-LV-3.2K battery can be compatible with Luxpower unit

Done		