

Use Batteryview upgrade and acquire system information Pylontech Low Voltage Product

This SOP is for Pylontech authorized software engineer and field application engineer to upgrade and acquire system information of Pylontech Powercube product. To avoid misoperation or commands lead to system failure, please contact Pylontech first before using any of the command not listed in this SOP; Otherwise the product will be out of Pylontech warranty scope.

Section A: Battery Firmware Upgrade

1. Connect from Battery RS232/Console port to laptop USB:



For US2000/US3000/Phantom-S/UP2500, the RS232 cable type is RJ11 – DB9 – USB:



For Force L1/L2, the RS232 cable type is RJ45 – DB9 – USB:





Please re-wire the PIN OUT on RJ11/RJ45 side as below:

For RJ11 cable:

Definition of RJ11 Port Pin

No.	RS232 Pin
1	GND
2	TXD
3	RXD
4	GND





For RJ45 cable:

Console

For manufa	acturer or professional engineer to debug or service.					
Pin3	232-TX					
Pin4*	+5~+12V for wake up					
Pin5*	GND for wake up					
Pin6	232-RX					
Pin8	232-GND					
*Wake up sig	*Wake up signal shall ≥0.5Sec, current between 5~15mA. After send wake up signal, the voltage shall					
disappear for normal operation.						





Connect to battery Console Port(as below **BLUE** circle):







2. Open 'Batteryview.exe':

🎍 en	2016/3/23 14:55				
🎽 Update file	2016/8/23 16:41				
🎳 Update log	2016/3/23 15:17				
📕 zh-CHS	2016/3/23 14:55				
🕌 zh-cn	2016/3/23 14:57				
Battery Firmware Update SOP	2016/7/12 11:14	117 KB			
BatteryView	2016/3/23 16:09	573 KB			
BatteryView.pdb	2016/3/23 16:09	494 KB			
BatteryView.vshost	2016/3/21 17:14 14				
BatteryView.vshost.exe.manifest	2009/6/11 5:14 1				
LabelGradient.dll	2015/8/27 9:19 20				
S LEDIndicator.dll	2014/7/4 16:16	30 KB			
Microsoft.Office.Interop.Excel.dll	2007/10/10 9:48	1,075 KB			
Microsoft.Vbe.Interop.dll	2007/10/10 9:48	63 KB			
S office.dll	2007/10/10 9:48	219 KB			
WeifenLuo.WinFormsUI.Docking.dll	2013/11/19 16:33	437 KB			

3. Connect to Battery:

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The Port Name will be automatically recognized once the RS232 cable is well installed or from the Device Manager; The Baudrate is 115200.

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	Serialport Inform	ation		
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	Parallel			
	Max parallel be	attery module numb	ez[8	4



4. If the BatteryView showed values, which means connect successfully:

*Note: Please double-click the 'Battery Module' tool bar to receive correct battery information on the bottom right side, then take a Screenshoot as evidence for further maintenance task.

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8. After it showed the Serial Number, which means update finished. *Please keep watching the progress bar and 'Program' button till 100%; In different Operation System, it may happens that the upgrade stick during the process and require to click the 'Program' again(once the 'Program' button becomes highlighting again during the upgrade process).

F:\新建文件夹\phantom_b60_107.bin	wse
Data Package 1421 Error Check Sum Check	
Transmitting Progress 100% Program Comp	plete
16-08-23 15:59:35->The update program starts. 16-08-23 15:59:37->File is transmitting 16-08-23 16:00:08->File transmission is complete. 16-08-23 16:00:18->EEProm is cleared. 16-08-23 16:00:29->The bar code is written in. 16-08-23 16:00:30->The device is disconnected. 16-08-23 16:00:30->The device log is recorded in: C:\Users \Administrator\Desktop\debug%\Debug\Update log\PPTBH01176405004.txt.	*



Complete and back to the main page:

THE SHARE T.A.	Main Window							
a Fattury Foods						Index	Foltage (F)	State
	Voltage(V)	Current(A)	Temperature("C)	Capacity(Ah)	Cycle Time	Cello	3.343 F	Frend
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						Tesperatural	9 22	Frend
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Section B: Battery Data Acquirement

1. Back to Batteryview 'Mainwindow', choose 'History Data Window' under' Window(M)' menu.

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	History Data Wiedow						* Inite	Falinge (V)	Date
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2. Select 'Cycle data' then click the the green down arrow just on the right side

<	Main Window	History Data Wir	dow
	History data type	Cycle data	2
	Index Time	tage rent erati Low	Righ Low High Satic Volt Curr Genn Click to get corresponding history data

Wait for about 1 - 2mins to let BatteryView acquire the entire cycle data. Then click the save button as below:

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	749	0	4		21	17	18	3	3	D	N	N	¥	11%		c	
	750	0	4	-	21	17	18	3	3	D	N	N	¥	11%		c	
	751	0	4		21	17	18	3	3	D	N	N	N	11%		c	
	752	0	4	+	21	17	18	3	3	B	H	N	N	11%		C	
	753	0	4		21	17	18	3	3	D	N	N	N	11%		c	
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4. For event data acquirement, just select 'Event data' as below, then repeat the remain steps from step 5 to step 6. It's more critical to save the event data in case a failure.

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Please remember to save the Event data to your computer as well as Cycle data.

Section C. Special settings for US2000C/US3000C/UP5000

Below settings only need to be set after swap the PCB of US2000C/US3000C/UP5000. Settings only available from Batteryview V3.0.22

- 1. Connect to battery console port
- 2. Choose-options-coul write and mosfail set dialog





- Type in number
- If US2000C: 50 If US3000C: 74
- If UP5000: 100
- Click Write
- Click Set Mosfail test



3.

Pylon Technologies Co., Ltd. No. 73, Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park Pudong,

Shanghai 201203, China

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	2	Write module har or	de	0%		write module bar code			
	3	Turn on aging log		0%		Turn on aging log function			
	4	Turn off aging log		0%		Turn off aging log			
	5	Turn on ofet		0%		turn on cfet			
	6	Turn off cfet		0%		Turn off cfet			
	7	Turn on dfet		0%		Turn on dfet			
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Set Index number0: this will set BMS time same as your PC Set Index number 2: this will need to type in the SN on label.

Any further questions to this SOP please contact us via service@pylontech.com.cn.

