USB Upgrade Operation Guide(Apply to H3)

Introduction: The inverter is a high-tech integrated system with a CPU controller, which requires maintenance and upgrade. The upgrade is easy to operate with by end user or installer ,upgrade files will be provided by manufacturer ,please prepare everything ready before performing this upgrade.

The same procedure is used for H1/AC1/H3 charger.

Preparations:

1) Prepare one USB 2.0 with memory less than 32G(USB 3.0 incompatibility)

	USB 2.0	USB 3.0
	★★★☆☆ (385 ratings)	★★★★☆ (457 ratings)
Released	April 2000	November 2008
Speed	High Speed or HS, 480 Mbps (Megabits per second)	10 times faster than USB 2.0. Super Speed or SS, 4.8 Gbps (Giga bits per second)
Signaling Method	Polling mechanism i.e can either send or receive data (Half duplex)	Asynchronous mechanism i.e. can send and receive data simultaneously (Full duplex)
Power Usage	Up to 500 mA	Up to 900 mA. Allows better power efficiency with less power for idle states. Can power more devices from one hub.
Number of wires within the cable	4	9
Standard-A Connectors	Grey in color	Blue in color
Standard-B Connectors	Smaller in size	Extra space for more wires

1)
2) Install the USB disk on your laptop, open it and create a folder named 'update'
3) Create another three separate subfolders named 'manager' 'master' 'slave' under 'update' folder.
4) Put the upgrade file into corresponding folder as shown below

* Formate fo the file name: *Model_Firmware type_Vx_xx*

File names example:
U:\update\master\H3_Master_Vx_xx
U:\update\slave\H3_Slave_Vx_xx
U:\update\manager\H3_Manager_Vx_xx

5) Prepare a slotted screwdriver for removing the upgrade port cover.

Upgrade procedure:

1. Turn off AC breaker(main circuit breaker）firstly then turn off DC breaker ,make sure the inverter is powered off.

2. Remove the upgrade port cover with a screwdriver.

3. Plug in the USB disk

4. Only turn on DC breaker (**make sure *PV voltage is above 120V***) wait for 10 seconds, the inverter screen will show as below :
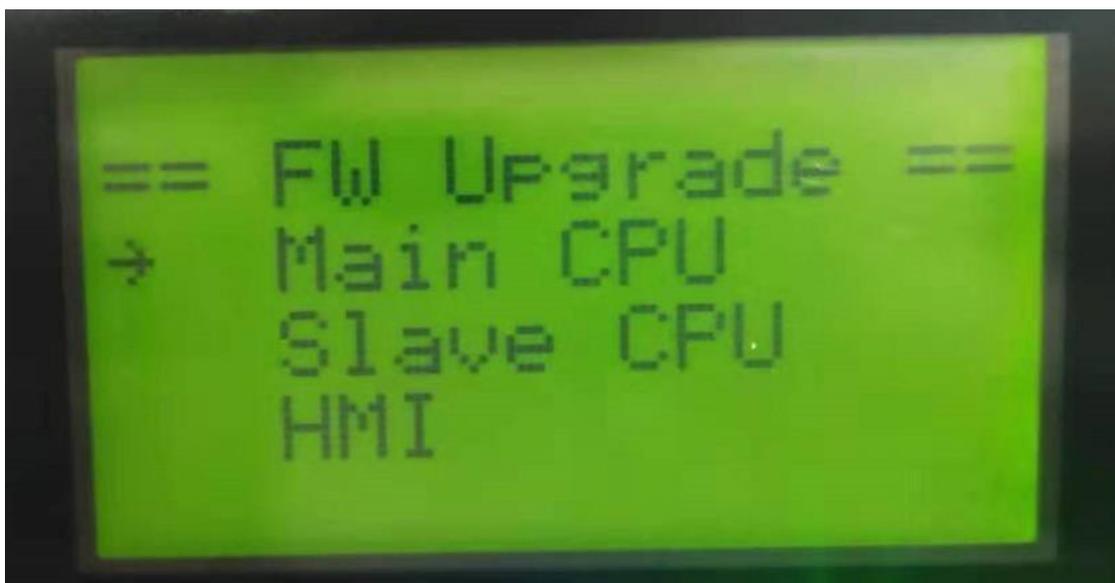
5. If you want to upgrade the inverter firmware , click "up" or "down" to choose the targeted firmware , then click "enter" to start the upgrade. The upgrade will proceedlike below:

NOTE: Main CPU is "master", Slave CPU is "slave", HMI is "manager"

manager	2020/4/27 15:29	文件夹
master	2020/4/27 15:28	文件夹
slave	2020/4/27 15:29	文件夹
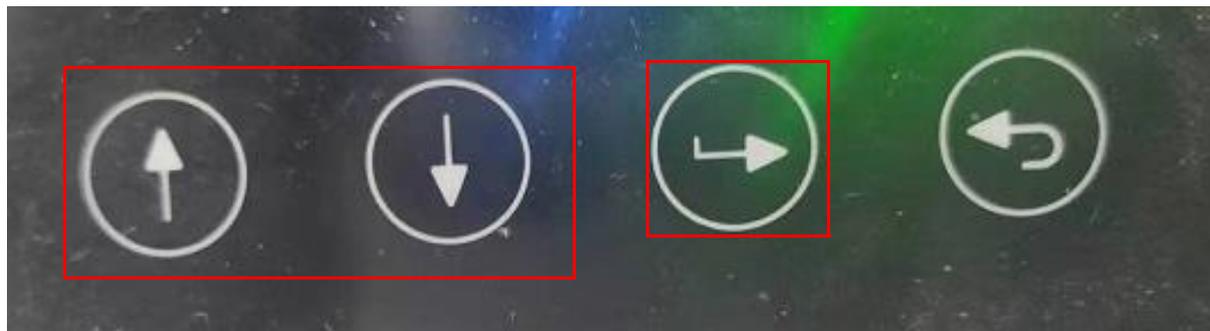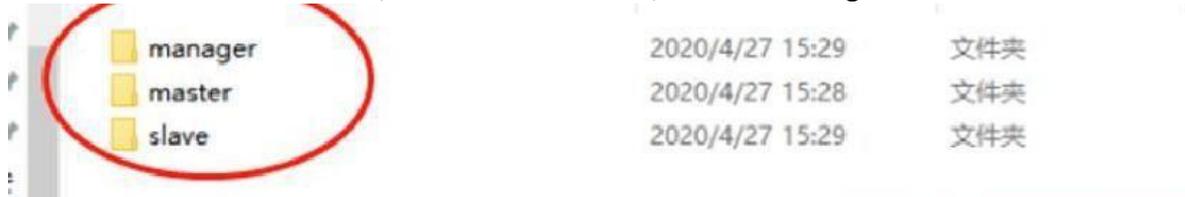
8 Remove the USB disk after upgrade completed. Follow the procedure blew and click the option to view the version:

Menu -> About -> Inv Ver

9. Turn on AC &DC breaker. If you updated the HMI, long press the "enter" and click "set" to turn on the inverter. Make sure the inverter can enter **Normal State.**