



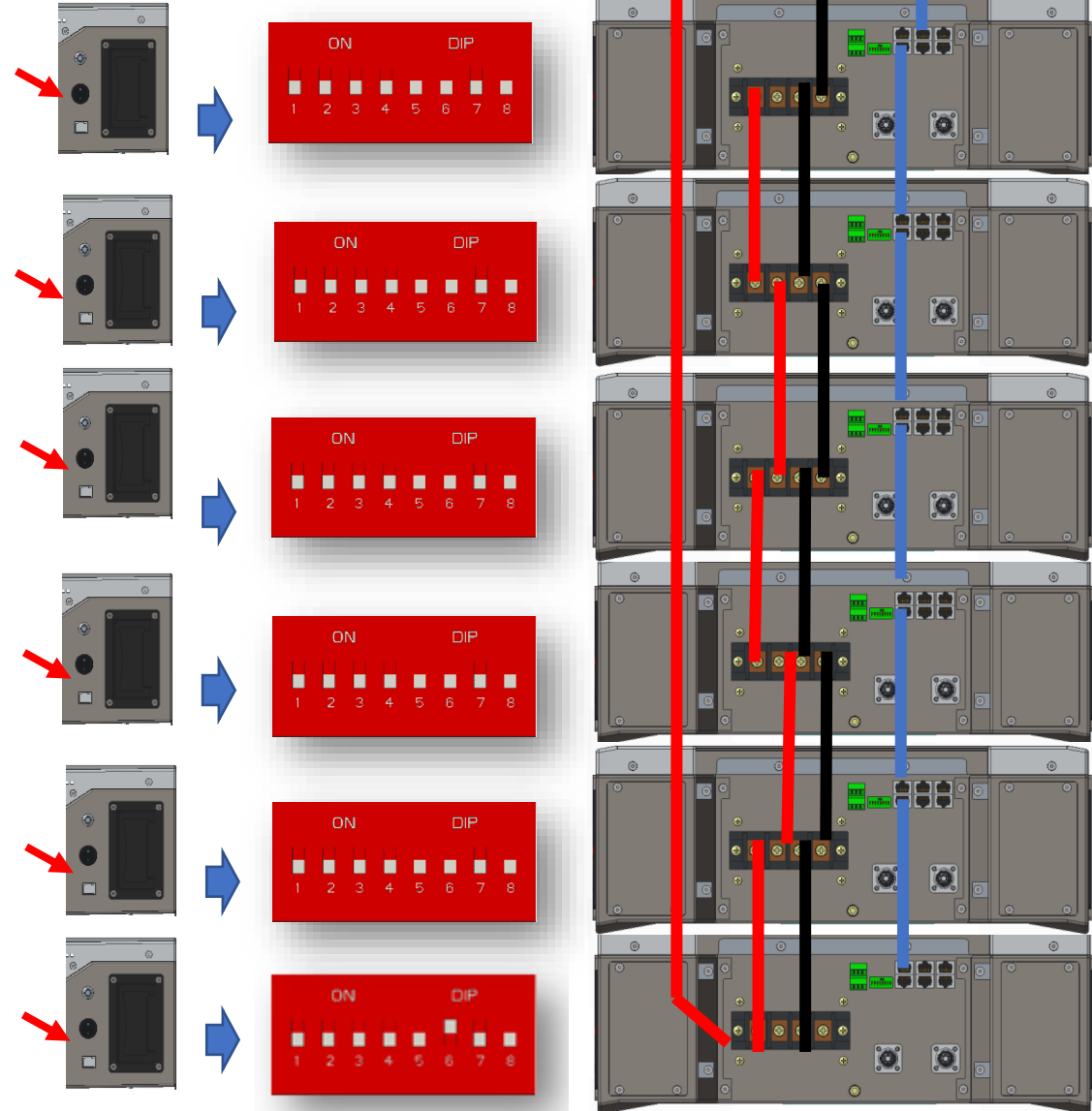
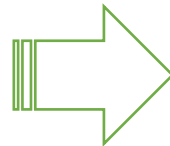
MODULES INTERCONNECTIONS

COMPATIBILITY WITH OLD VERSION LV/HV



5K3XP LOW VOLTAGE OPERATIONS

1. All DIP Switches SET to OFF (from master to the penultimate)
2. Set the last module as 00000100 (terminator)
3. Connect all the RS 485 Cables from Master Port B to Port A of the Sub
4. Proceed the RS485 in Daisy Chain until the last module
5. Connect the power connection as usually
6. Connect the Power Output to the inverter
7. Turn on the Main Switch of each module (located on the side below the handle)
8. Press the RUN BUTTON of the Master only
9. Wait for all the Submodules to start up automatically .



5K3XP

5K3XP

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Parallel System Parallel System Parallel System Parallel System Parallel System

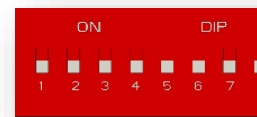
5K3XP

Master



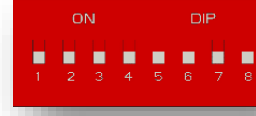
Master

Slave1



Slave1

Slave2



Slave2

Slave3



Slave3

Slave4



Slave4

Slave5



Slave5

5K3 LV/HV

5K3 LV/HV

5K3XP

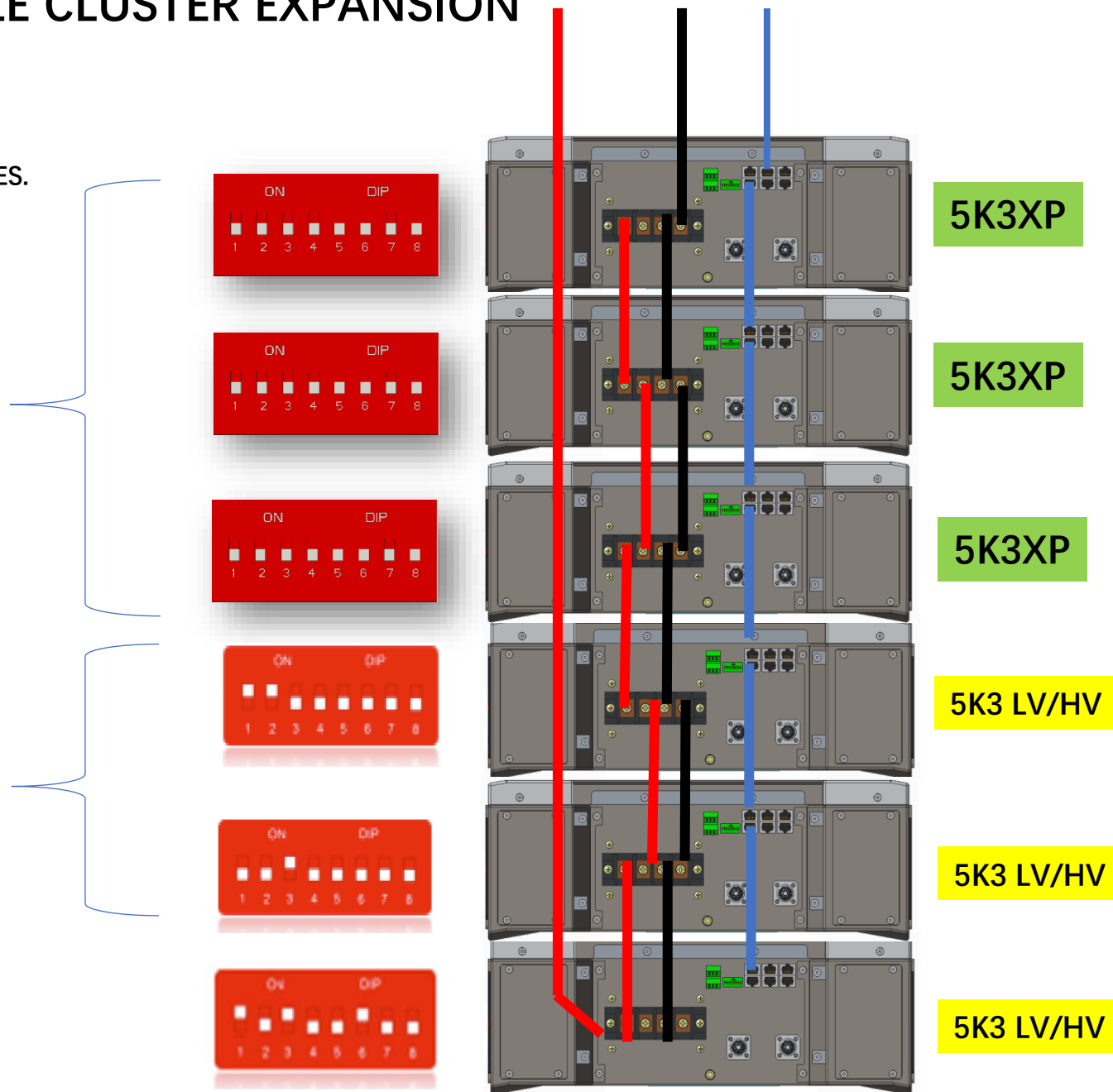
5K3 LV/HV + 5K3xp LOW VOLTAGE SINGLE CLUSTER EXPANSION MAX 6 UNITS LV

THE 5K3XP (New Model) SHOULD BE THE MASTER BATTERY AND UPPER ONES.
THE 5K3 LV/HV SHOULD BE THE LOWER ONES
DO NOT MIX ALONG THE TOWER

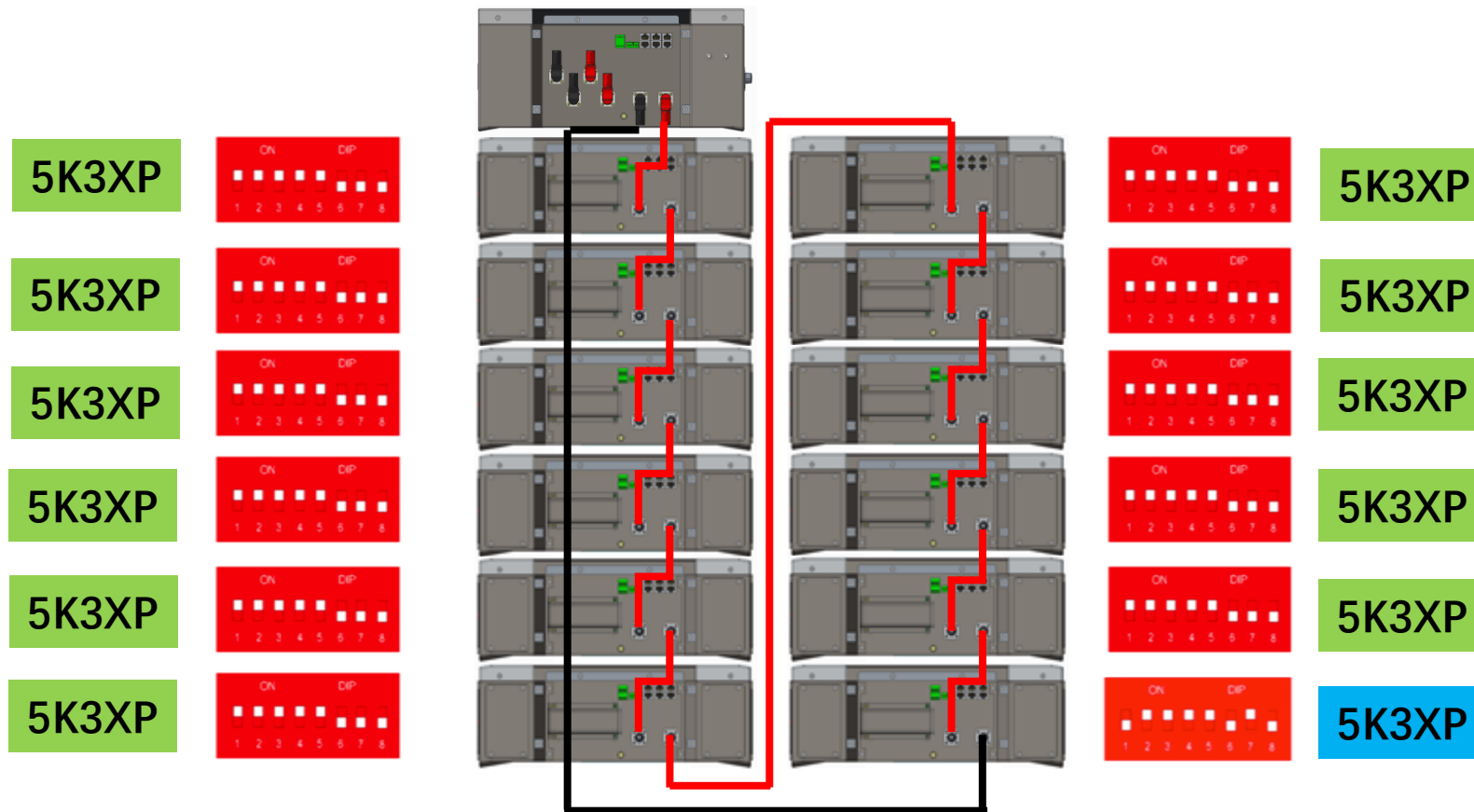
THE 5K3XP SHOULD BE SET AS 0000 0000

THE 5K3 LV/HV TO BE SET USING THE ADDRESSING
METHOD PROVIDED WITH THE MANUAL

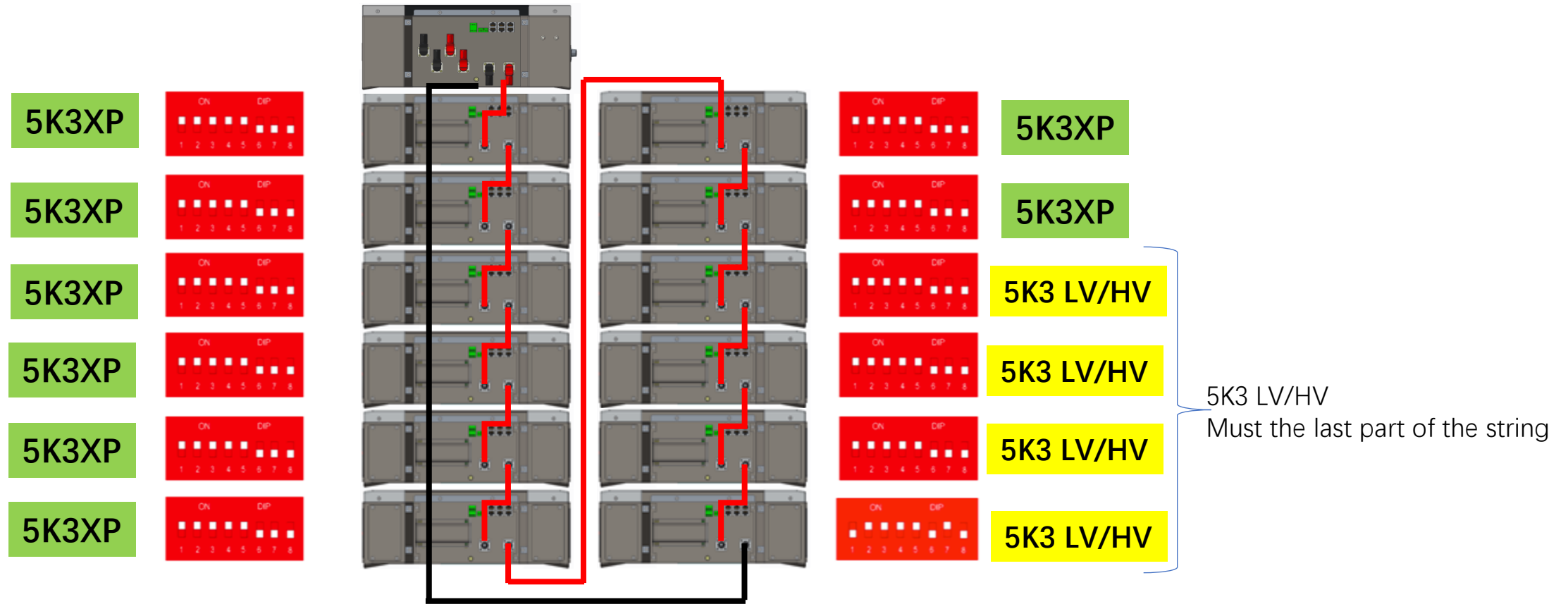
5K3 LV/HV SHOULD SET THE END BATTERY AS ID6



HV CONNECTION OF 5K3XP



HV CONNECTION OF 5K3XP



5K3XP LOW VOLTAGE HUB

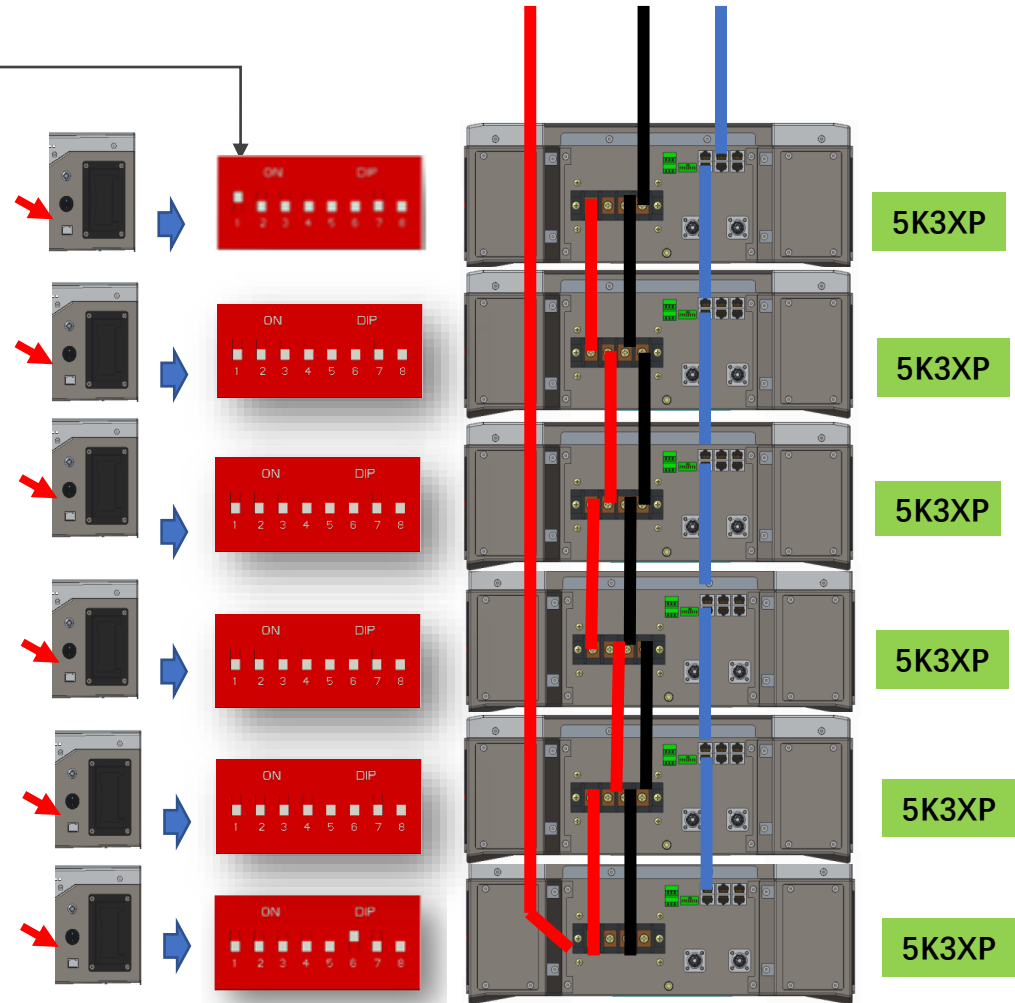
MAX 7 CLUSTERS AND 15 BATTERIES EACH CLUSTER



5K3XP SET UP OF A LOW VOLTAGE CLUSTER USING AN LV HUB

MAX 7 CLUSTERS AND 15 BATTERIES EACH CLUSTER

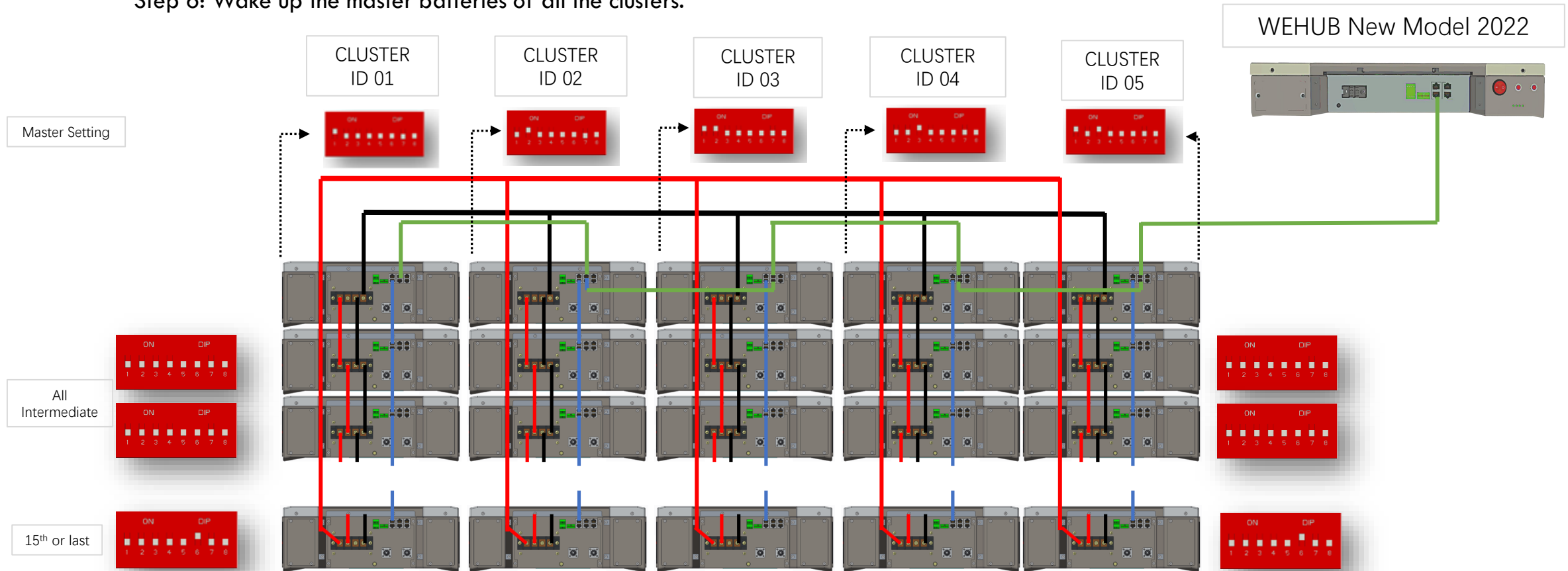
EACH MASTER MUST BE SET WITH A CLUSTER ID TO BE IDENTIFIED BY THE LV HUB



5K3XP LOW VOLTAGE HUB MAX 7 CLUSTERS AND 15 BATTERIES EACH CLUSTER



- Step 1: Set the parallel clusters as usual, connect the RS485 cables parallel system, connect the power cables
- Step 2: Set the **cluster address** on the **master battery DIP** to assign the Cluster ID
- Step 3: Set the **last battery** DIP address as 0000 0100 to all the clusters.
- Step 4: Set all the **other XP model batteries** DIP address as 0000 0000 of all the clusters.
- Step 5: Turn on the power switches of all the batteries.
- Step 6: Wake up the master batteries of all the clusters.



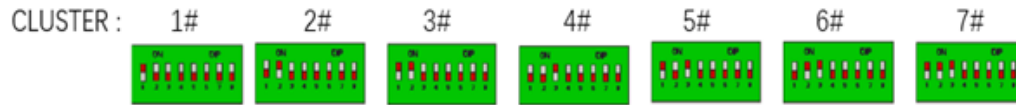
5K3xXP + 5K3 LV/HV LOW VOLTAGE HUB WITH MULTI-CLUSTERS

MAX 7 CLUSTERS AND 6 BATTERIES EACH CLUSTER



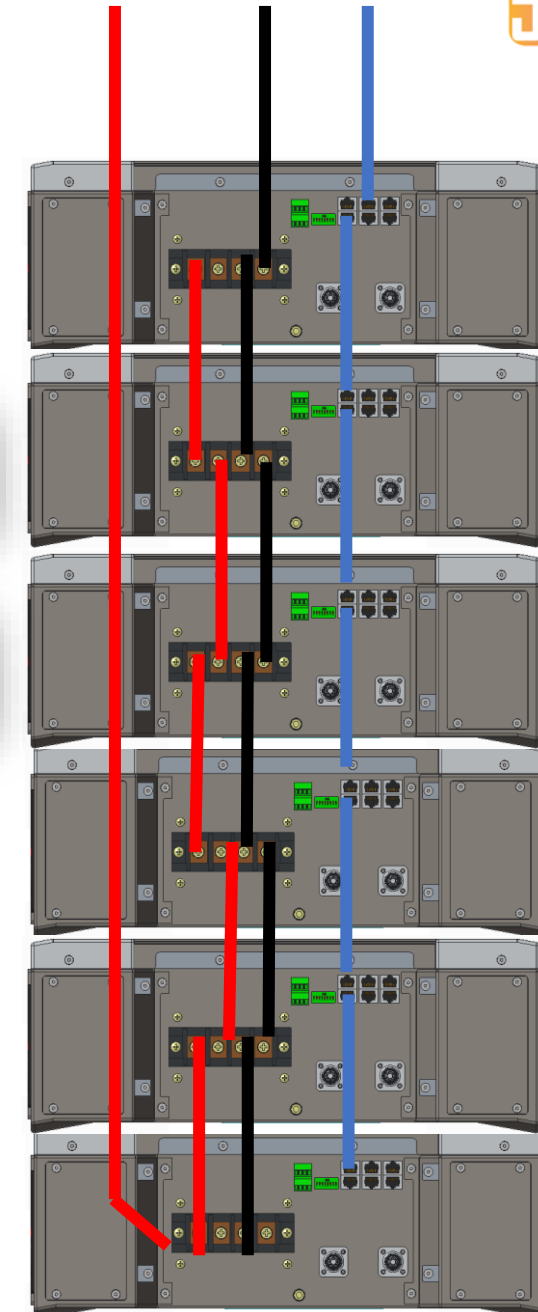
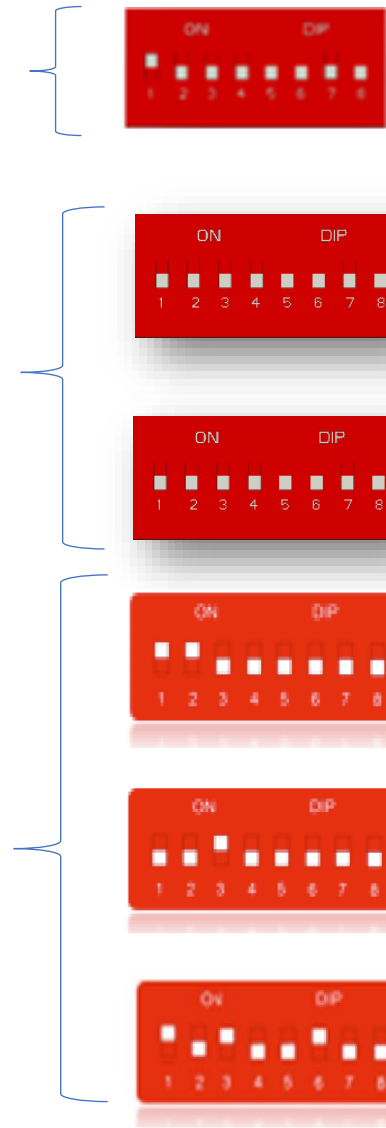
Compose the Cluster adding the New 5K3XP on top of the existing 5K3LV/HV Modules
 Set the DIP SWITCH of the first Cluster master as ID 01
 (All Masters of the remaining Clusters needs to be set with consecutive ID)

5K3xp MASTER SHOULD BE SET AS THE CLUSTER ADDRESS



5K3XP INTERMEDIATE MODULES MUST BE SET AS 0000 0000

5K3LV/HV MUST BE SET MANUALLY WITH THE ID ACCORDING WITH THE PHYSICAL POSITION IN THE CLUSTER



5K3XP

5K3XP

5K3XP

5K3LV/HV

5K3LV/HV

5K3LV/HV

5K3XP + 5K3 LV/HV LOW VOLTAGE HUB WITH MULTI-CLUSTERS

MAX 7 CLUSTERS AND 6 BATTERIES EACH CLUSTER

