



E-Box 48100R Battery Versions & Firmware Compatibility

E-Box-48100R-A Version

1. Link Port 0 and Link Port 1 in Vertical Line
2. 4 Position DIP switch (ADD)



E-Box-48100R-B Version

1. Link Port 0 and Link Port 1 in Horizontal Line
2. 4 Position DIP switch (ADD)



E-Box-48100R-C Version

1. Link Port 0 and Link Port 1 in Horizontal Line
2. 6 Position DIP switch (ADD)



Figure 1. E-Box 48100R Battery Version Physical Differences

	Version A	Version B	Version C8	Version C16
Version A	Compatible	Compatible	Compatible	Not Compatible downgrade to C8 OR use Hub
Version B	Compatible	Compatible	Compatible	Not Compatible downgrade to C8 OR use Hub
Version C8	Compatible	Compatible	Compatible	Not Compatible downgrade C16 to C8 OR upgrade C8 to C16 OR use Hub
Version C16	Not Compatible downgrade to C8 OR use Hub	Not Compatible downgrade to C8 OR use Hub	Not Compatible downgrade C16 to C8 OR upgrade C8 to C16	Compatible

Table 1. E-Box 48100R Battery Firmware Compatibility



Incompatible battery firmware will interfere with system communication and may cause audible alarm



- Version A batteries can only use version A firmware
- Version B batteries can only use version B firmware
- Version C batteries can use either version C8 or C16 firmware
 - C16 can be downgraded to C8
 - C8 can be upgraded to C16
 - Version C batteries manufactured **before** November 2023 have C8 firmware
 - Version C batteries manufactured **after** November 2023 have C16 firmware
- Assign newest battery as system master (or group master if using Hub)

Version A, B, and C8: maximum **8x** batteries per group without Hub accessory

*Special version B firmware required to use Hub accessory if version B battery is assigned as group master

**C8 limited to 8x batteries per group even if firmware has been updated to C16

Version C16: maximum **16x** batteries per group without Hub accessory

The Pytes Hub is a communication management device required for inverter closed loop communications in larger systems. The Hub can also be used to accommodate different firmware versions in the same system in case it is not possible to update firmware. When using the Hub, each group requires an equal number of batteries and compatible firmware. Please refer to [Hub Quick Start Guide](#) for more information.

Battery firmware files, computer software, and update instructions:

[Pytes USA Online Download Center](#)