Supplementary Information

Methanol derived high-performance Na$_3$V$_2$(PO$_4$)$_3$/C: From kilogram-Scale Synthesis to pouch cell Safety Detection

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Fig. S1. Electronic images of M-NVP/C samples weighed
Fig. S2. a, b) Electronic images of the NVP cathode pole pieces; c, d) Electronic images of the HC anode pole pieces.
Fig. S3. The TG-DSC curve of M-NVP/C and H-NVP/C

Fig. S4. a, b) Electronic images of the precursor and final product in the mullite saggar, respectively.
Fig. S5. a, b and c) SEM images of H-NVP/C; The accompanying diagram of (c) is the corresponding EDS elemental mapping; TEM (d) and HRTEM(f) images of H-NVP/C.
Fig. S6. a) Raman spectra of commercial hard carbon; b) SEM image of hard carbon

Fig. S7. a) The CV curves of hard carbon electrodes in the potential ranging from 0.01 to 2V versus Na/Na$^+$ at a scan rate of 0.1 mV s$^{-1}$; b) Galvanostatic discharge curves of hard carbon at various current density from 50 mA g$^{-1}$ to 300 mA g$^{-1}$; c) Cycling performance of hard carbon electrodes at various current density from 50 mA g$^{-1}$ to 300 mA g$^{-1}$. 