Supporting information

Flame-retardant and form-stable phase change composites based on black phosphorus nanosheets/cellulose nanofiber aerogels with extremely high energy storage density and superior solar-thermal conversion efficiency

Xiaosheng Du\textsuperscript{a,b}, Jinghong Qiu\textsuperscript{a}, Sha Deng\textsuperscript{a}, Zongliang Du\textsuperscript{a,b}, Xu Cheng\textsuperscript{a,b}, and Haibo Wang\textsuperscript{a,b}

\textsuperscript{a}College of Biomass Science and Engineering, Sichuan University, No.24 South Section 1, Yihuan Road, Chengdu, 610065, China.

\textsuperscript{b}The Key Laboratory of Leather Chemistry and Engineering of Ministry of Education, Sichuan University, Chengdu 610065, PR China.

* Corresponding Authors: E-mail: whb6985@scu.edu.cn. Tel: 86-28-85401296.

Number of pages: 3

Number of figures: 2
**Fig. S1** UV-vis-NIR absorption spectra of CBPCMs.
Fig. S2 DSC curves of CBPCMs before and after 100 thermal cycles.