



VIN = 19 V, 3-cell, $I_{\text{adapter_limit}} = 4 \text{ A}$, $I_{\text{charge}} = 3 \text{ A}$, $I_{\text{pre-charge}} = I_{\text{term}} = 0.3 \text{ A}$, 5-hour safety timer

Figure 20. System Schematic with Power Path

Case1: Powered from adaptor without charging

Case2: Powered from adaptor with charging

Case3: Powered from battery with adaptor connected

Idea to achieve case3

Disconnect VCC pin by FET switch to turn reverse protection FET off and turn BATFET on.

Do you have any concern about this idea?