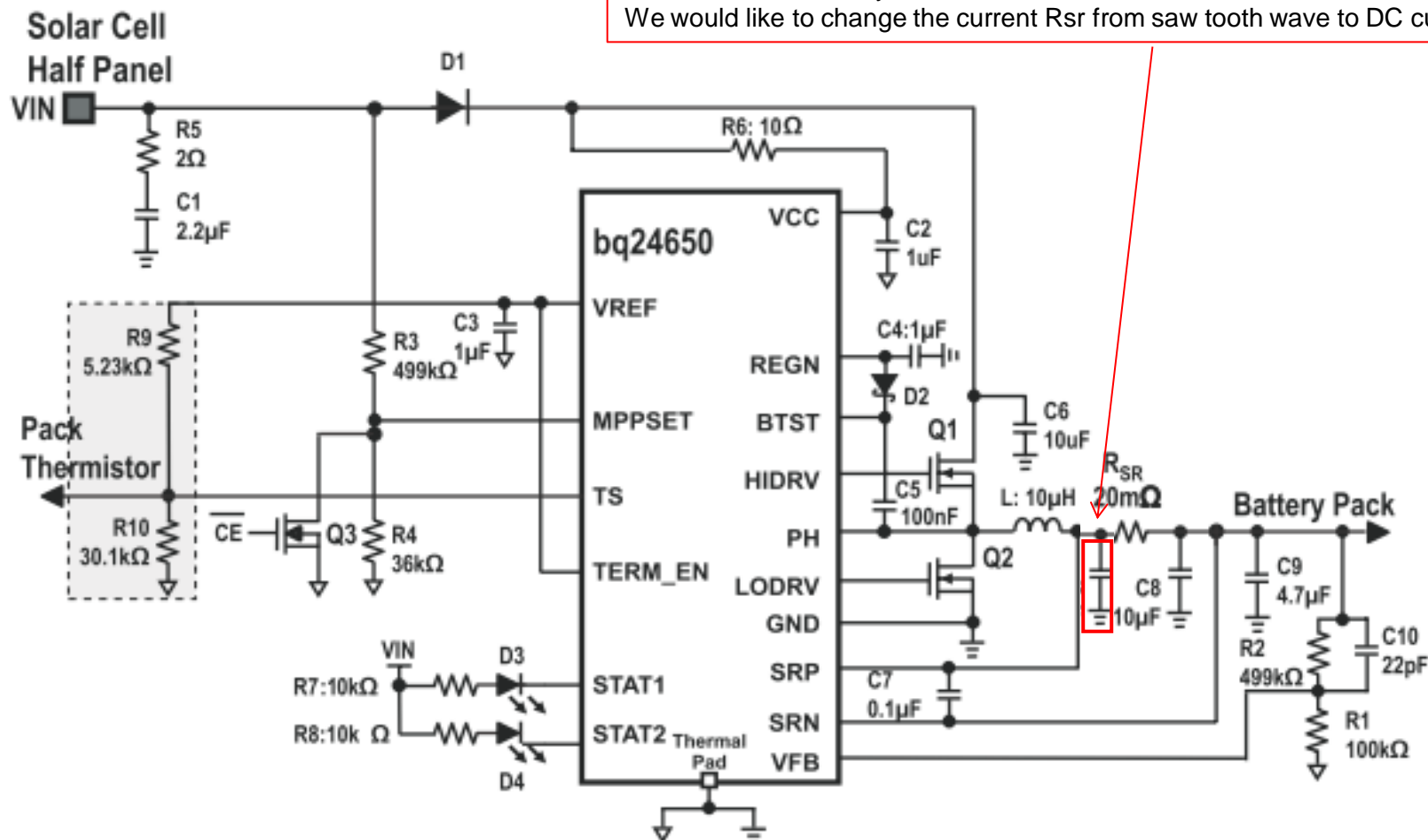


## TYPICAL APPLICATION

Can we add the capacitor to front of  $R_{sr}$  ( inductor side) ?  
If we can are there any restriction ?  
We would like to change the current  $R_{sr}$  from saw tooth wave to DC current.



Solar Panel 21 V, MPPT = 18 V, 2-cell,  $I_{\text{CHARGE}} = 2 \text{ A}$ ,  $I_{\text{PRECHARGE}} = I_{\text{TERM}} = 0.2 \text{ A}$ ,  $T_S = 0 - 45^\circ\text{C}$

### Figure 1. Typical System Schematic

## BATTERY CURRENT REGULATION

Battery current is sensed by resistor  $R_{SR}$  connected between SRP and SRN. The full-scale differential voltage between SRP and SRN is fixed at 40mV. Thus, for a 20-mΩ sense resistor, the charging current is 2A. For charging current, refer to [Equation 3](#):

$$I_{CHARGE} = \frac{40 \text{ mV}}{R_{SR}}$$

(3)

I charge is decided by this equation.

Is this current Peak current ? Or average current ?