



Charge current
 $R = 0.12 / I_{CH}$
 $I_{CH} = 0.12 / R_{1,2,8,9}$

MPPT voltage
 $V_{MP} = 1.205 * (1 + (R_{13.16} / R_{12})) + 0.5$

Output voltage
 $R_{18} = R_{23} (V_{out} / 0.5 - 1)$

$V_{BATT} = 5.56 \quad 4.18 \quad 2.77 \text{ V}$
 2SLTO Li-Ion 1SLTO

$V_{MPPT} = 10.85 \quad 17.27 \quad 18.88 \text{ V}$
 Plus Vr on input Schottky diode.
 $V_{MPPT} = 11.35 \quad 17.77 \quad 19.38 \text{ V}$

Vlastimil Slinták	
µArt.cz	
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