

$R_m = 0.1 \text{ ohms}$, $V_{\text{batt}} = 7.2 \text{ V}$, $R_{\text{bat}} = 0$.

$V_{\text{ds}} = 3.6\text{V} \rightarrow I_{\text{ds}} = (7.2 - 3.6\text{V}) / (0.1 \text{ ohm}) = 36 \text{ amps}$

