While Selecting Components Below are measured and components are chosen accordingly:

* Inductor: Iind= 7.9 A & 470 uH
* Diode: Vforward= 0.8V & Idiode= 6.8 A & schottky
* Mosfet: VDS=56.8 A & IDrain(peak)= 7.8 A without heatsink & N-channel
* Capacitor: Vcap(avg)= Vload(avg)= 28 V & 680 uF & Aluminum Electrolytic