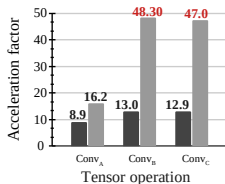


# Final Benchmarking Insights: Accelerators vs. CPU in Performance and Power Efficiency

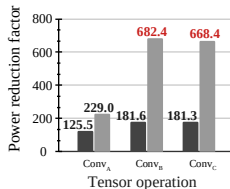
■ Floating-Point  
■ Hybrid-Float6

Smallest 2D CNN floating-point accelerator in the literature

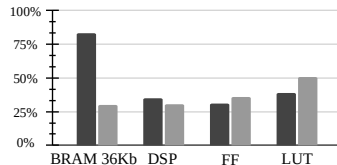
### Acceleration vs. CPU



### Power reduction vs. CPU



### Hardware resource utilization.



Estimated power dissipation on the Zynq-7007S AP SoC with PS at 666 MHz and PL at 200 MHz

