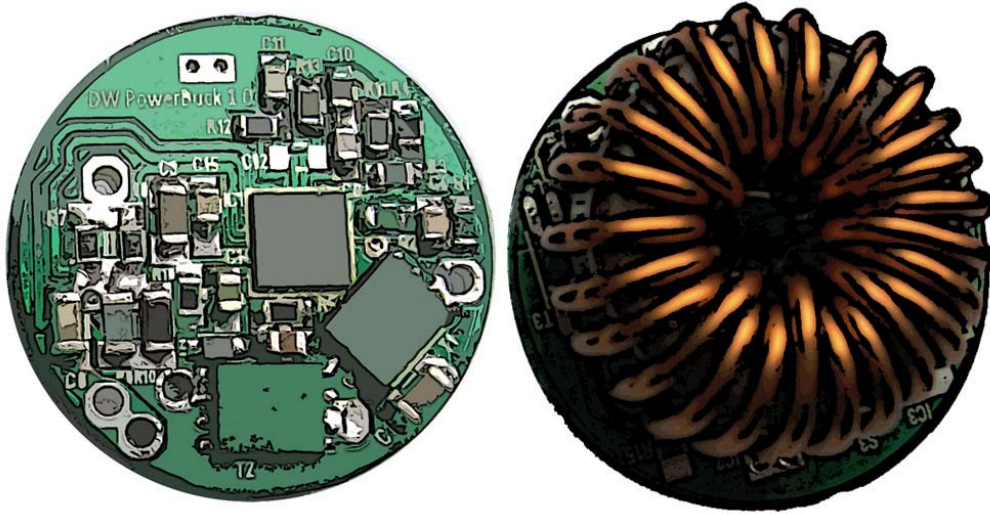


5A/9A Buck Converter – DW Powerbuck 1.0



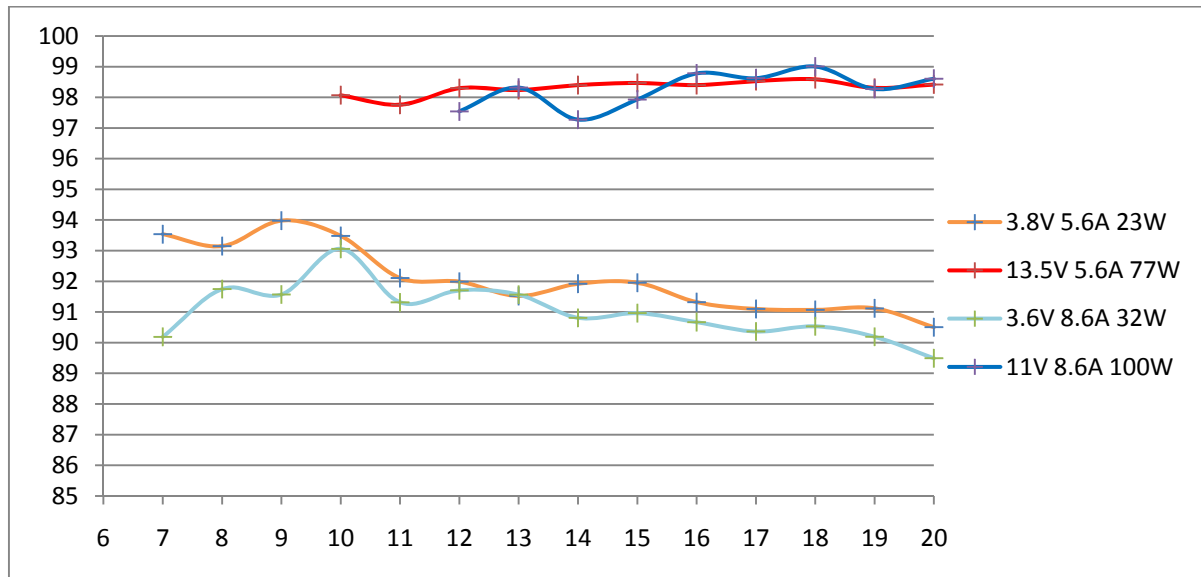
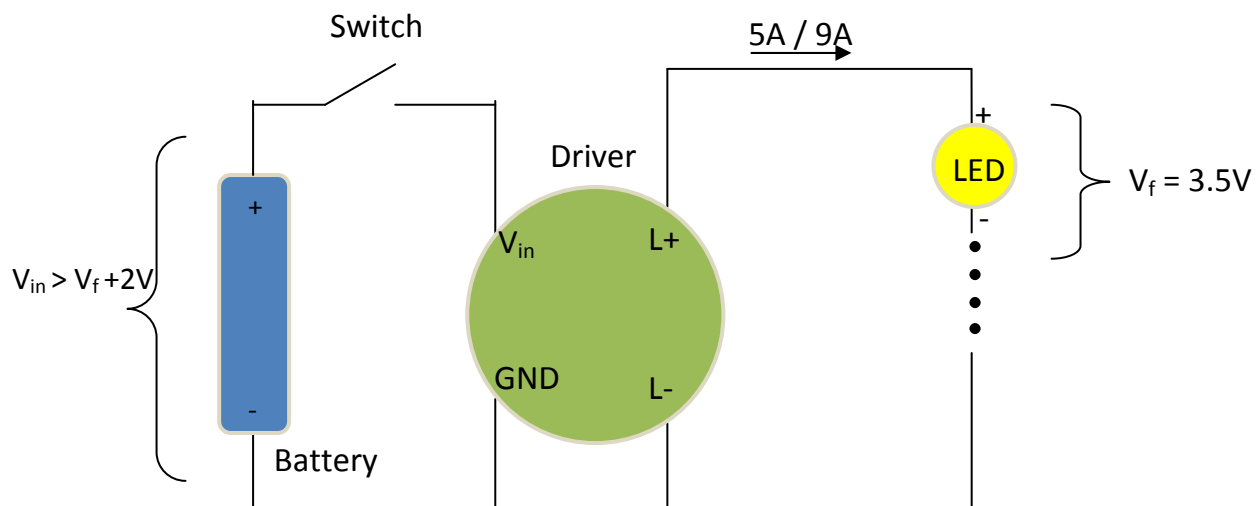
Electrical characteristics:

Parameter	Min.	Typ.	Max.	Units
Input voltage range ¹	6		20	V
Output current 5A		5		A
Output current 9A		9		A
Efficiency	90	93	98	%
LED				
Diameter		26		mm
Height		13		mm

1: Input voltage must be at least 2V higher than output voltage

Pin configuration:

Vin	Positive input
GND	Negative input
L+	Positive output
L-	Negative output

Efficiency vs. Voltage:**Typical operating setup:**

Things to take into consideration before running:

- Input voltage must be at least 2V over output voltage
- The pcb must be potted with thermal conductive material to a heatsink
- Batteries and the power switch must be able to handle the high input current
- Calculating input/output voltage or current: $U_{in} * I_{in} = U_{out} * I_{out}$
- Keep resistance as low as possible. Use thick wires and keep them short