

## Bill of Materials (BOM)

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The parts are rather cheap and the source of supply is mostly in china and ebay

Description		price
DPH5005 Buck-boost converter with USB- and BT-communication	<a href="https://de.aliexpress.com/item/32840324731.html">https://de.aliexpress.com/item/32840324731.html</a> without USB/BT-modules	47€- 40€
XL4015 5A DC-DC Step Down converter	<a href="https://www.ebay.de/itm/402597361624">https://www.ebay.de/itm/402597361624</a> or <a href="https://www.aliexpress.com/item/32891328430.html">https://www.aliexpress.com/item/32891328430.html</a>	3,70€ or 2,30€
(270g/93m Filament 1.75mm PLA grey		~5,00€)
Axicom D2N12-960Relay DPDT (2xUM) V231005-A5003-A201	Kessler electronic <a href="https://www.ebay.de/itm/111447113032">https://www.ebay.de/itm/111447113032</a>	2,30€
BatteryIndicator LEDdisplay	Naltronic <a href="https://www.ebay.de/itm/123571387480?var=424142377263">https://www.ebay.de/itm/123571387480?var=424142377263</a> or <a href="https://www.aliexpress.com/item/1005002375550407.html">https://www.aliexpress.com/item/1005002375550407.html</a>	5,80€ or 2,80€
Battery-BMS, BalanceBoard, 6A-8A max Mesacomponents	<a href="https://www.ebay.de/itm/254159873534?var=553510124474">https://www.ebay.de/itm/254159873534?var=553510124474</a> or <a href="https://www.aliexpress.com/item/4000385806747.html">https://www.aliexpress.com/item/4000385806747.html</a>	9,90€ or 2,30€
Switch On-off-on Wippschalter Ein-Aus-Ein	<a href="https://www.aliexpress.com/item/32967528231.html">https://www.aliexpress.com/item/32967528231.html</a> or <a href="https://www.ebay.de/itm/264813617899">https://www.ebay.de/itm/264813617899</a>	2,20€ or 6,00€
Submini slide switch DPDT (Schiebeschalter 2xUM)	Kessler electronic <a href="https://www.ebay.de/itm/311859237255">https://www.ebay.de/itm/311859237255</a>	1,00€
Powerplug High-Amp Switchcraft SC1943-ND	Digikey <a href="https://www.digikey.com/en/products/detail/switchcraft-inc/S1017/3909312">https://www.digikey.com/en/products/detail/switchcraft-inc/S1017/3909312</a>	7,00€
Threated inserts M3x6g Gewindeeinsätze M3x6g (gegenläufig)	Msr-coptertools <a href="https://www.ebay.de/itm/173779404364">https://www.ebay.de/itm/173779404364</a>	6,00€
Fuse-Holder Sicherungshalter Snapin SH8	Centralsystems-isp <a href="https://www.ebay.de/itm/284368894849">https://www.ebay.de/itm/284368894849</a>	3,55€
Fuse-Holder incl Si. 5A , 5x20mm, 12mm°	<a href="https://www.ebay.de/itm/173575874739">https://www.ebay.de/itm/173575874739</a>	3,50€
Schottky-Diode 1N5822	<a href="https://www.ebay.de/itm/254069873397">https://www.ebay.de/itm/254069873397</a>	3,00€
Kfz-Flachsicherungen 10A	<a href="https://www.ebay.de/itm/233933295008">https://www.ebay.de/itm/233933295008</a>	2,50€
Laptop AC-Adapter 12V-20V / 4.5A (19V-20V)	Flystorefly <a href="https://www.ebay.de/itm/402696857628">https://www.ebay.de/itm/402696857628</a>	18,20€
Akkuhalter (Batteryholder) for 3 18650 cells	<a href="https://www.ebay.de/itm/174814565327">https://www.ebay.de/itm/174814565327</a>	4,50€
Fan (Lüfter) 40mmx10mm, 5V, 2-pol	<a href="https://www.ebay.de/itm/384372531353">https://www.ebay.de/itm/384372531353</a>	5,00€
LED with socket	<a href="https://www.ebay.de/itm/164496995162">https://www.ebay.de/itm/164496995162</a>	2,75€
	Amount, (Summe)	112€ -137€