

This is a complete BOM for the BNV-Battery Pack. All parts needed are listed, sorted by component. All parts marked with "-" are subject to personal selection due to self-manufacturing or logistics/location.

amount	part	specifications	manufacturer	MPN	component
1	Body	3D print	-	-	Bodywork
1	Top	3D print	-	-	
1	Bottom	3D print	-	-	
1	Secure Nob	3D print	-	-	
1	M4 Bolt	-	-	-	
1	safety washer	2.3 mm DIN 6799	-	-	
1	top gasket	70A	-	-	
1	Secure Nob Gasket	7 x 1 mm	-	-	
2	screw	M2x6 ISO 7380-1	-	-	
2	M4 thread insert	brass	-	-	
2	M2 thread insert	brass	-	-	
1	connector cap	-	Switchcraft	JCAP	
1	sealing boot	1/4-40UNS	Apem	U1331 or similar	
1	PCB	-	-	-	Bottom PCB
1	connector	Pin OD: 2 mm, IP68	Switchcraft	L722RAS	
	connector cover	-	Switchcraft	JCAP	
1	switch	On-On	Apem	21136NA	
1	diode	50 mA, 75 V, 2 A	Taiwan Semiconductor	LL4148 LOG	
1	voltage regulator IC	In: 2-26 V, Out: 12 V	Microchip	MIC2940A-12WU	
4	battery contact spring	A, AA	Keystone Electronics	5202	
1	Kapton/Polyimide tape	< 10 cm	-	-	Top PCB
1	PCB	-	-	-	
4	battery contact	A, AA	Keystone Electronics	5224	connector cable
1	connector	Pin OD: 2 mm, IP68	Switchcraft	S761KS15	
1	cable	two strand, OD: 4 mm	-	-	recommended
1	glue	2 component epoxy	Loctite	4090	
1	casting compound	2 component epoxy	Höhne	PU 500/2	