

Component	Link to Product			
RCBO	https://ecoharmony.co.uk/collections/rcbo/products/bituo-technik-rcbo-rcd-pd-type-a-rccb-type-c-mcb-30ma-pulsating-dc-sensitive-6ma-dc-rcm			
Arduino Uno	https://store.arduino.cc/products/arduino-uno-rev3			
Cable with 3x2.5mm2 wires	https://www.elektramat.nl/neopreen-kabel-h07rnf-3x2-5-per-meter/			
Connectors for ground wires (x2)	https://www.elektramat.nl/phoenix-contact-universele-aardklem-ut-2-5-pe-3044092/			
Type-1 vehicle connector with cable or	https://www.evexpert.eu/p/284/phoenix-contact-charging-cable-type1-open-end-32a			
Type-2 vehicle connector with cable	https://evchargeplus.com/product/open-end-ev-charging-cable-replacement-type-2-32a-3-phase-5m/			
PCB				
Component Description	Quantity	Reference in PCB	Mfr Part Number	Link to product
Power Supply 230 V / 12 V	1	PS2	IRM-05-12	https://nl.mouser.com/ProductDetail/MEAN-WELL/IRM-05-12?qs=WkdRfq4wf1P6e%2FIUvY44jA%3D%3D
Power Supply 12 V / 12 V	1	U2	NKE1212SC	https://nl.mouser.com/ProductDetail/Murata-Power-Solutions/NKE1212SC?qs=xod0WVVtyNcmFtmyZBM7dw%3D%3D
0.1 uF Capacitors	6	C1, C3, C5, C7, C8	C1206C104K5RAC7800	https://nl.mouser.com/ProductDetail/KEMET/C1206C104K5RAC7800?qs=sGAEPiMZZMukHu%252BjC5i7YTeTBO3fP2Snteq%252BGziHbJs%3D
10 uF Capacitors	2	C4, C6	RGA100M1HBK-0511G	https://nl.mouser.com/ProductDetail/Lelon/RGA100M1HBK-0511G?qs=pNDdEcSXIODJ1c03pk0uXg%3D%3D
100 uF Capacitor	1	C2	RGA101M1EBK-0611G	https://nl.mouser.com/ProductDetail/Lelon/RGA101M1EBK-0611G?qs=sGAEPiMZZMsh%252B1woYUXi%252BLhpznb1dGkVkp2t2IkMcs%3D
Transistors	2	Q1, Q2	2N5551-T	https://nl.mouser.com/ProductDetail/Rectron/2N5551-T?qs=oFjv9VeDysEhdg04%252BKG5qg%3D%3D
Relays	2	K1, K2	1-2071556-1	https://nl.mouser.com/ProductDetail/TE-Connectivity/1-2071556-1?qs=ijCeji4nMDmKm0VbX5a4PA%3D%3D
Connectors	3	J1, J2, J4	1190297	https://nl.mouser.com/ProductDetail/Phoenix-Contact/1190297?qs=QNEbnhJQKvaBinyAO%252BdsFA%3D%3D
Connectors	1	J3	1725656	https://nl.mouser.com/ProductDetail/Phoenix-Contact/1725656?qs=UI7CXFMnlWWQeccayYbRmw%3D%3D
Resistors 1k	7	R1, R2, R5, R12, R13, R14, R15	RT1206FRE071KL	https://nl.mouser.com/ProductDetail/YAGEO/RT1206FRE071KL?qs=8cPjvKtxWv7jh0D8%252BNyMRg%3D%3D
Resistors 100k	5	R3, R4, R8, R10, R11	RT1206FRD07100KL	https://nl.mouser.com/ProductDetail/YAGEO/RT1206FRD07100KL?qs=3IN%252B8p6BrMtiEklLydRg%3D%3D
Resistor 300k	1	R6	RT1206FRE07300KL	https://nl.mouser.com/ProductDetail/YAGEO/RT1206FRE07300KL?qs=yNCrj0CQcyJ2771qf8eS9w%3D%3D
Resistor 220k	1	R7	RT1206FRE07220KL	https://nl.mouser.com/ProductDetail/YAGEO/RT1206FRE07220KL?qs=Wg%2F9sKwRvUNlc%2FZOEjFOGw%3D%3D
Resistor 300 ohm	1	R9	RT1206FRE07300RL	https://nl.mouser.com/ProductDetail/YAGEO/RT1206FRE07300RL?qs=yNCrj0CQcyIw%2FelxFLc5XQ%3D%3D
Arduino header 8p	2		10129378-908003BLF	https://nl.mouser.com/ProductDetail/Amphenol-FCI/10129378-908003BLF?qs=0IQeLiL1qyZDwDtzqv8XoA%3D%3D
Arduino header 6p	1		10129378-906004BLF	https://nl.mouser.com/ProductDetail/Amphenol-FCI/10129378-906004BLF?qs=0IQeLiL1qya%252BL29fC4n94A%3D%3D
Arduino header 10p	1		10129378-910002BLF	https://nl.mouser.com/ProductDetail/Amphenol-FCI/10129378-910002BLF?qs=0IQeLiL1qyYh8zFHsKDebQ%3D%3D