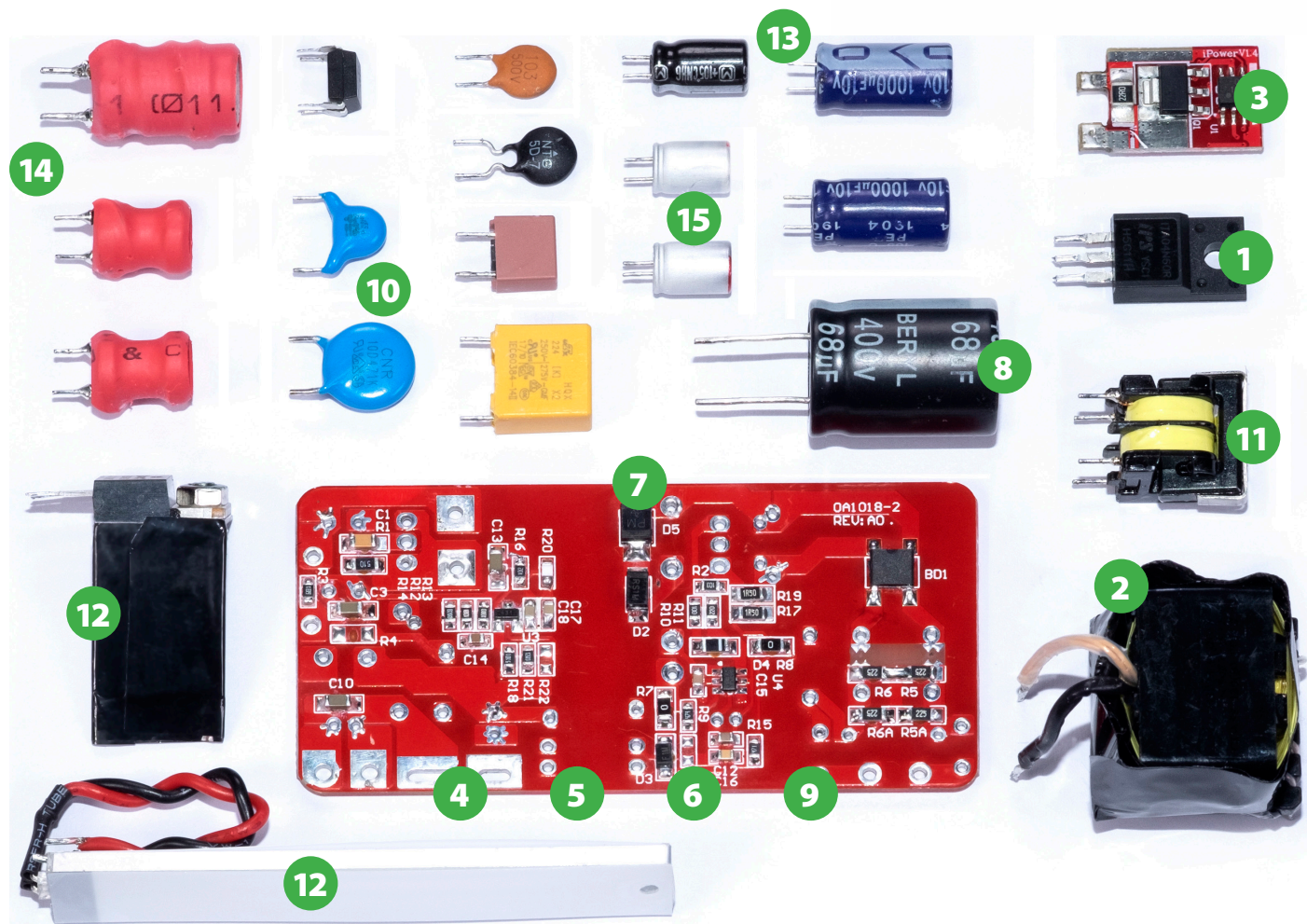


iPower X Teardown



System

- 1 New! Oversized Power MOSFET
- 2 New! low leakage transformer (Black colour vs Yellow colour in iPower)
- 3 New! Active Noise Cancellation 2
- 4 New! 45W high performance adaptive multi-mode controller, optimized for high efficiency, low standby power and audio noise-free design
- 5 'Frequency shuffling' to achieve excellent EMI performance
- 6 220% increase in power supply capacitance for the adaptive multi-mode controller
- 7 Upgraded RF designed PCB

Input

- 8 106% increase in input filter capacitance (68uF vs 33uF @400v)
- 9 New input high-frequency filtering capacitor
- 10 New metal-oxide varistor protection for excessive transient input voltages
- 11 New oversized input common-mode choke (xxH vs xxH)
- 12 New oversized heatsink for the Power Rectifier

Output

- 13 79% increase in output filter capacitance
- 14 New high-density oversized output inductors (Red)
- 15 New aluminium conductive polymer solid capacitor in the output stage