

The diagram illustrates a complex power conversion system. The main section is a 60Amp 115VAC to 11.8VDC converter. It features a power input section with a 26.8VDC battery connection, a 1Amp current sense point, and a 40Amp power sense point. The main power stage consists of four full-bridge inverters (A, B, C, D) using IRFZ42 MOSFETs and 2N2907/2N2222 transistors. A central current sensor is connected to a transformer (Xfmr) with a 60Amp rating and a 13.8VAC || 115VAC = 8.3 to 1 ratio. The output is a +11.8VDC line. A separate section shows a 11.8VDC regulator using an LM317 and a 74C14 Schmitt trigger. A 'Battery Charger' section uses two LM317 regulators and 1N5401 diodes to charge a battery from a 24VAC source.