

Diagnostic test on power electronic

1. Combine I-V characteristics with the corresponding semiconductor device
 - A-2
 - B-4
 - C-3
 - D-1

2. Combine circuit diagram, voltage/current waveform, output voltage equation, and spectra
 - C1-W6-Eq3-S4 (Full-bridge DC/AC inverter, Unipolar PWM)
 - C1-W9-Eq3-S3 (Full-bridge DC/AC inverter, Bipolar PWM)
 - C2-W2-Eq6-S7 (Full-bridge diode rectifier, resistive load)
 - C3-W10-Eq4-S5 (Half-wave diode rectifier, resistive load)
 - C4-W5-Eq1-S6 (Step-down, DC/DC Buck-converter)
 - C5-W1-Eq8-S2 (3-phase thyristor rectifier)
 - C6-W8-Eq7-S5 (Half-wave diode rectifier, inductive load)
 - C7-W4-Eq5-S3 (Half-bridge DC/AC inverter)
 - C8-W7-Eq6-S1 (Full-bridge diode rectifier, current load)
 - C9-W3-Eq2-S6 (Step-up, DC/DC Boost converter)