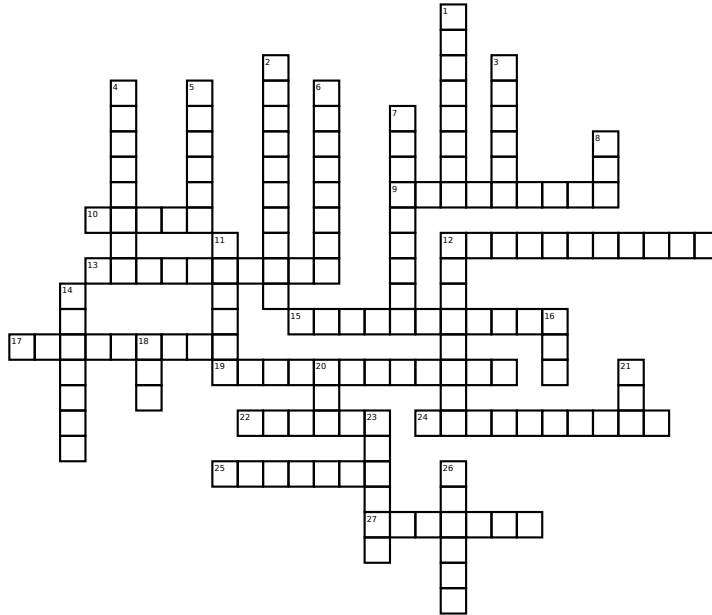


# Crossword Puzzle



## Down:

1. The undesired conduction caused by rapid  $dV/dt$ .
2. What does the first C in ECCE stand for?
3. Which country will host ECCE-NA 2026?
4. PELS publication for industry trends and applications launched in 2014.
5. How many Technical Committees does PELS have?
6. Fast-switching diode used in power electronics.
7. Topology achieving step-up and step-down operation.
8. Three-letter material making devices fast with green LED glow.
11. Around half the world's electricity powers these devices.

## Across:

9. What is the last name of PELS founder and first president?
10. The semiconductor device in the PELS logo.
12. Coordinating multiple converters to share current equally.
13. What does the T in ITRD stand for?
15. In which year will PELS celebrate its 40th anniversary?
17. Power device handling high current/voltage for rectification.
19. What is the brief period when both switches conduct simultaneously called?
22. European capital city, also a rectifier topology.
24. Control without current sensors in motor drives.

Down:

12. Name of PELS educational video platform.
14. Converter topology providing isolation via magnetic energy storage.
16. Multilevel converter using split DC-link capacitor. (acronym)
18. Which wide-bandgap material has higher thermal conductivity than GaN?
20. In which IEEE Region is Japan located?
21. Which IEEE society co-sponsors APEC with PELS? (acronym)
23. It stores the most energy in an inductor.
26. Switching strategy that turns on devices at voltage minimum.

Across:

25. Passive element preventing dangerous DC-bus voltage rise.
27. What does the A in APEC stand for?