

Answers to Problem Chapter 6 Power Electronics by Hart.

- 6.2 30%, 233W, \$204.40/yr
- 6.3 60V, 77.5V, 600W,
- 6.4 15.6V, 2.0A, 1.12A, 0.37%
- 6.5 9V, 2.52A, 1.08A, 0.27%
- 6.6 0.5, 500 μ H, 250 μ F
- 6.7 0.417, 2.78A, 3.14A, 2.41A, 1.16A, 3.14A, 1.62A
- 6.8 89 μ H
- 6.9 88.8 μ H
- 6.14 VO1=0.096Vpp, .48%
- 6.15 50V, 10A, 0.6%, 4.0A
- 6.16 0.667, 22.2 μ H, 247 μ F
- 6.17 10.09A, 4.97A
- 6.190.01V
- 6.20-18V, 4.5A, 6.3A, 2.7A, 0.75%
- 6.214.62A, 4.97A
- 6.2222.2 μ H, 200 μ F

CHAPTER 7

- 7.1 24V, 2.0A, 3.0A, 1.0A, 0.67%
- 7.2 1.31, 207 μ H
- 7.6 35V, 0.16%, 1.75A, 2.89A, 0.6125A, 0.14A, 3.03A