

Chapter 17

17.16

$$I(t) = 3t^2 + 12t - 2 \text{ A}$$

$$I(2) = 34 \text{ A}$$

17.22

3 rows in parallel (each 15 cells in series)

Total 45 cells

17.26

$$V_d \rightarrow 4V_d$$

17.38

$$(a) R = 100 \Omega$$

$$(b) R = 50 \Omega$$

$$(c) R = 25 \Omega$$

17.70

$$P = 0.45 \text{ W}$$