

Variable	Efficient UPS	Inefficient UPS
Rated capacity (watts)	1,000	1,000
Full-load efficiency	95%	80%
Total power consumption at 100% load (watts)	1,053	1,250
Annual hours of operation	8,760	8,760
Annual energy consumption (kWh)	9,221	10,950
Emission factor (kg CO <sub>2</sub> e/kWh)	0.231	0.062
<b>Total carbon emissions (kg CO<sub>2</sub>e)</b>	<b>2,130</b>	<b>679</b>

Efficient UPS emissions are 3.1 times greater than inefficient UPSs