

Linear & Switch Mode Power Supplies – Operating Cost Comparison

The following comparison chart gives an indication of the typical annual running cost savings when upgrading from a linear to switch mode power supply.

Model	Type	Power in Watts	Annual Cost	Approx Annual Saving
1A PSUs	Linear	23.4	£26.59	£12.24
	Switch Mode	12.6	£14.35	
2A PSUs	Linear	44.4	£50.56	£22.21
	Switch Mode	24.9	£28.36	
3A PSUs	Linear	59.0	£67.19	£25.40
	Switch Mode	36.7	£41.79	
4A PSUs	Linear	72.9	£83.02	£27.22
	Switch Mode	49.0	£55.80	
5A PSUs	Linear	89.5	£101.92	£30.29
	Switch Mode	62.9	£71.63	

Note

Figures based on actual measurements taken with Elmdene 13.8V dc power supplies under typical operating conditions. Electricity costs based on 13p/KWH. Savings are not guaranteed. Actual savings achieved will depend upon individual power supply models in use and application specific operating conditions.



Intruder



Access Control



CCTV



Fire