

### UPS Cost of Operation Table

This table provides UPS inefficiency cost including air conditioning costs. Electricity rate is \$ .10 per kw-hr with no demand charges added. To determine the annual operating cost of a UPS, select the kW load on the left column and then cross over to the proper UPS efficiency column. Use the actual efficiency of the UPS at that load point. Many UPS show a significant drop in efficiency as load is reduced on the UPS. To determine the savings differential, subtract the higher efficiency UPS annual cost from the lower efficiency UPS annual cost.

<b>UPS AC - AC Efficiency at UPS Load Point</b>													
<b>kW Load</b>	<b>80</b>	<b>82</b>	<b>84</b>	<b>86</b>	<b>88</b>	<b>90</b>	<b>91</b>	<b>92</b>	<b>93</b>	<b>94</b>	<b>95</b>	<b>96</b>	<b>97</b>
<b>25</b>	\$ 7,391	\$ 6,490	\$ 5,631	\$ 4,813	\$ 4,032	\$ 3,285	\$ 2,924	\$ 2,571	\$ 2,225	\$ 1,887	\$ 1,556	\$ 1,232	<b>\$ 914</b>
<b>50</b>	\$ 14,783	\$ 12,980	\$ 11,263	\$ 9,626	\$ 8,063	\$ 6,570	\$ 5,848	\$ 5,142	\$ 4,451	\$ 3,774	\$ 3,112	\$ 2,464	<b>\$ 1,829</b>
<b>75</b>	\$ 22,174	\$ 19,470	\$ 16,894	\$ 14,439	\$ 12,095	\$ 9,855	\$ 8,772	\$ 7,713	\$ 6,676	\$ 5,661	\$ 4,668	\$ 3,696	<b>\$ 2,743</b>
<b>100</b>	\$ 29,565	\$ 25,960	\$ 22,526	\$ 19,252	\$ 16,126	\$ 13,140	\$ 11,696	\$ 10,283	\$ 8,901	\$ 7,549	\$ 6,224	\$ 4,928	<b>\$ 3,658</b>
<b>150</b>	\$ 44,348	\$ 38,939	\$ 33,789	\$ 28,877	\$ 24,190	\$ 19,710	\$ 17,544	\$ 15,425	\$ 13,352	\$ 11,323	\$ 9,336	\$ 7,391	<b>\$ 5,486</b>
<b>200</b>	\$ 59,130	\$ 51,919	\$ 45,051	\$ 38,503	\$ 32,253	\$ 26,280	\$ 23,392	\$ 20,567	\$ 17,803	\$ 15,097	\$ 12,448	\$ 9,855	<b>\$ 7,315</b>
<b>250</b>	\$ 73,913	\$ 64,899	\$ 56,314	\$ 48,129	\$ 40,316	\$ 32,850	\$ 29,240	\$ 25,709	\$ 22,253	\$ 18,871	\$ 15,561	\$ 12,319	<b>\$ 9,144</b>
<b>300</b>	\$ 88,695	\$ 77,879	\$ 67,577	\$ 57,755	\$ 48,379	\$ 39,420	\$ 35,088	\$ 30,850	\$ 26,704	\$ 22,646	\$ 18,673	\$ 14,783	<b>\$ 10,973</b>
<b>400</b>	\$ 118,260	\$ 103,838	\$ 90,103	\$ 77,007	\$ 64,505	\$ 52,560	\$ 46,784	\$ 41,134	\$ 35,605	\$ 30,194	\$ 24,897	\$ 19,710	<b>\$ 14,630</b>
<b>500</b>	\$ 147,825	\$ 129,798	\$ 112,629	\$ 96,258	\$ 80,632	\$ 65,700	\$ 58,480	\$ 51,417	\$ 44,506	\$ 37,743	\$ 31,121	\$ 24,637	<b>\$ 18,288</b>
<b>600</b>	\$ 177,390	\$ 155,757	\$ 135,154	\$ 115,510	\$ 96,758	\$ 78,840	\$ 70,176	\$ 61,701	\$ 53,408	\$ 45,291	\$ 37,345	\$ 29,565	<b>\$ 21,945</b>
<b>700</b>	\$ 206,955	\$ 181,717	\$ 157,680	\$ 134,761	\$ 112,885	\$ 91,980	\$ 81,872	\$ 71,984	\$ 62,309	\$ 52,840	\$ 43,569	\$ 34,493	<b>\$ 25,603</b>
<b>750</b>	\$ 221,738	\$ 194,696	\$ 168,943	\$ 144,387	\$ 120,948	\$ 98,550	\$ 87,720	\$ 77,126	\$ 66,760	\$ 56,614	\$ 46,682	\$ 36,956	<b>\$ 27,431</b>