Manufacturer: Agepower Limited

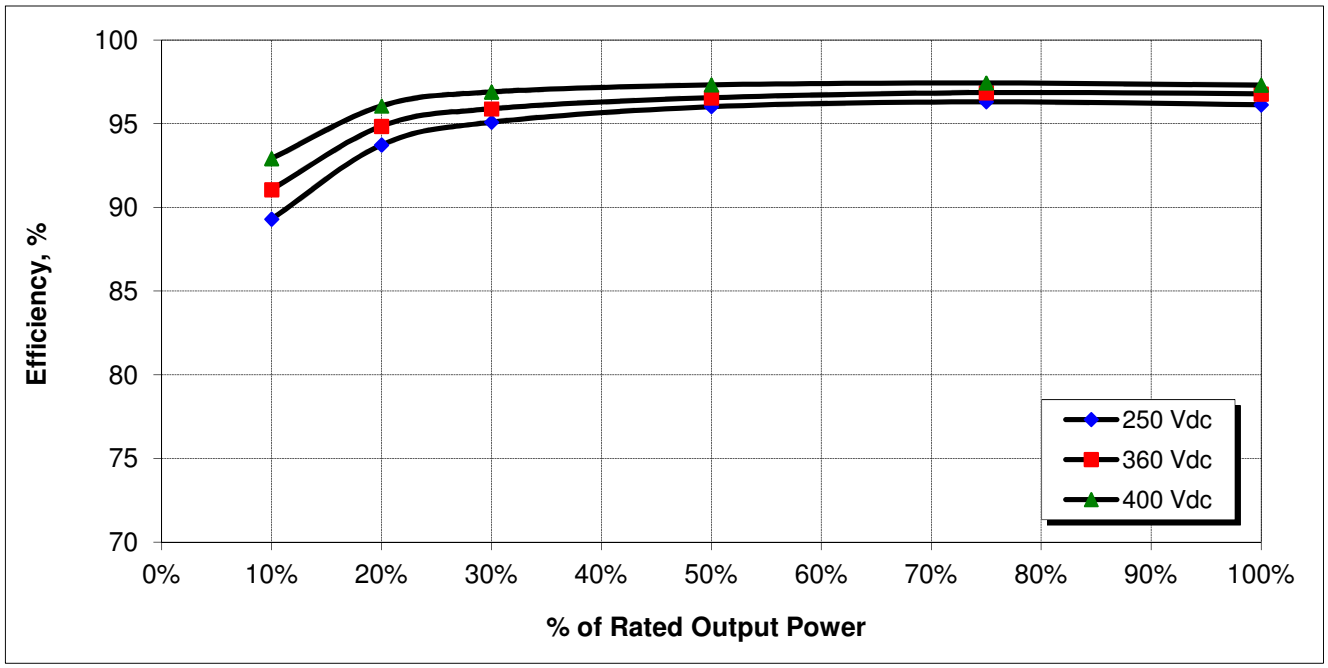
Model #: AP 2000TL-US (277 Vac)

Rated Maximum Continuous Output Power: 2.00 kW Night Tare Loss: 0.14 W

Vmin: 250 Vdc Vnom: 360 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.20	0.40	0.60	1.00	1.50	2.00	Wtd
Vmin	250	89.3	93.7	95.1	96.0	96.3	96.1	95.7
Vnom	360	91.1	94.8	95.9	96.5	96.8	96.8	96.3
Vmax	400	92.9	96.1	96.9	97.3	97.4	97.3	97.1

CEC Efficiency = 96.5%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.1754	250.35	89.471	0.174	250.54	89.149	0.175	250.44	89.295	0.175	250.43	89.323	0.175	250.29	89.255
20%	Vmin	0.3869	250.38	93.725	0.388	250.43	93.736	0.387	250.61	93.676	0.387	250.46	93.745	0.387	250.42	93.737
30%	Vmin	0.5779	250.51	95.043	0.578	250.39	95.081	0.578	250.42	95.089	0.578	250.47	95.101	0.577	250.28	95.115
50%	Vmin	0.9594	250.47	96.020	0.96	250.47	96.017	0.959	317.08	96.019	0.96	250.65	96.017	0.96	250.26	96.012
75%	Vmin	1.4267	250.45	96.313	1.431	250.38	96.304	1.43	250.46	96.312	1.431	250.5	96.310	1.43	250.44	96.309
100%	Vmin	2.0101	250.47	96.134	2.009	250.48	96.130	2.01	250.64	96.125	2.009	250.42	96.127	2.007	250.27	96.120
10%	Vnom	0.1754	360.37	90.930	0.176	360.64	91.676	0.175	360.57	90.841	0.175	360.46	90.958	0.175	360.51	90.912
20%	Vnom	0.3872	360.66	94.857	0.387	360.53	94.766	0.388	360.65	94.870	0.388	360.46	94.840	0.388	360.34	94.875
30%	Vnom	0.5791	360.41	95.876	0.578	360.45	95.866	0.578	360.64	95.890	0.577	360.56	95.893	0.578	360.49	95.890
50%	Vnom	0.9596	360.5	96.569	0.958	360.72	96.563	0.959	360.34	96.576	0.959	360.37	96.595	0.956	360.37	96.409
75%	Vnom	1.4281	360.44	96.840	1.429	360.47	96.861	1.429	360.63	96.843	1.431	360.46	96.849	1.43	360.43	96.855
100%	Vnom	2.0088	360.3	96.781	2.01	360.56	96.783	2.009	360.47	96.770	2.007	360.48	96.766	2.005	360.72	96.778
10%	Vmax	0.1752	400.56	92.995	0.175	400.47	92.898	0.176	400.81	92.870	0.175	400.48	92.952	0.175	400.36	92.874
20%	Vmax	0.3892	400.51	96.153	0.389	400.56	95.989	0.388	400.63	96.019	0.389	400.43	96.045	0.388	400.52	96.066
30%	Vmax	0.578	400.6	96.880	0.578	400.64	96.885	0.579	400.49	96.899	0.579	400.52	96.904	0.578	400.47	96.887
50%	Vmax	0.9595	400.58	97.338	0.96	400.58	97.343	0.959	400.47	97.258	0.96	400.6	97.340	0.96	400.41	97.300
75%	Vmax	1.4279	400.36	97.429	1.428	400.65	97.428	1.43	400.51	97.433	1.43	400.55	97.433	1.429	400.38	97.431
100%	Vmax	2.0103	400.47	97.322	2.008	400.45	97.318	2.008	400.44	97.230	2.006	400.64	97.341	2.01	400.52	97.319

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															