Manufacturer: Agepower Limited

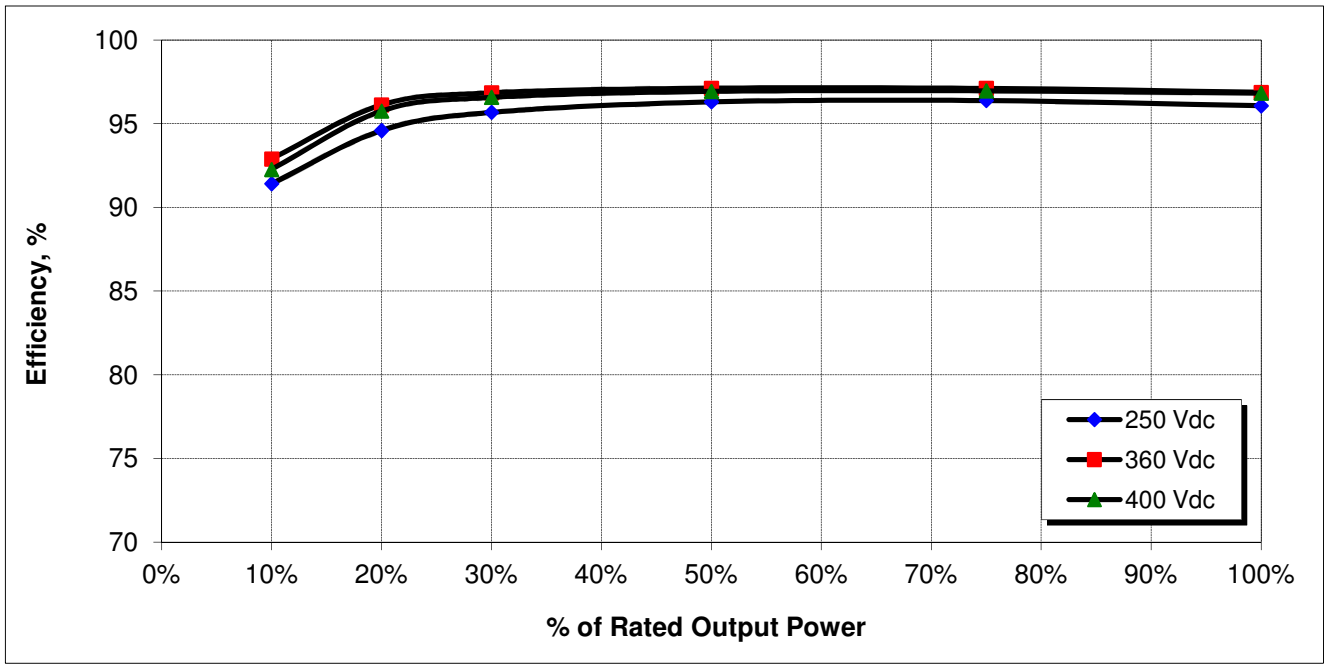
Model #: AP 2000TL-US (240 Vac)

Rated Maximum Continuous Output Power: 2.00 kW Night Tare Loss: 0.10 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	91.4	94.6	95.7	96.3	96.4	96.1	96.0
Vnom	360	92.9	96.1	96.8	97.1	97.1	96.9	96.9
Vmax	400	92.3	95.8	96.6	96.9	97.0	96.8	96.7

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	0.1753	250.42	91.119	0.176	250.55	91.058	0.176	250.38	91.797	0.176	250.36	91.467	0.176	250.51	91.646
20%	Vmin	0.389	250.44	94.607	0.389	250.5	94.600	0.389	250.73	94.590	0.389	250.56	94.581	0.389	250.56	94.597
30%	Vmin	0.5805	250.64	95.667	0.581	250.64	95.680	0.581	250.55	95.682	0.581	250.65	95.686	0.581	250.41	95.670
50%	Vmin	0.9634	250.42	96.308	0.962	250.5	96.302	0.962	250.67	96.307	0.964	250.69	96.303	0.962	250.6	96.302
75%	Vmin	1.4357	250.46	96.383	1.434	250.3	96.384	1.435	250.45	96.383	1.437	250.52	96.385	1.436	250.65	96.385
100%	Vmin	2.0154	250.75	96.078	2.016	250.5	96.076	2.015	250.49	96.074	2.017	250.27	96.068	2.016	250.41	96.066
10%	Vnom	0.1754	360.55	92.937	0.175	360.68	92.674	0.176	360.4	92.944	0.176	360.53	92.978	0.176	360.29	92.945
20%	Vnom	0.3897	360.48	96.126	0.389	360.48	96.120	0.389	360.37	96.109	0.39	360.33	96.115	0.389	360.36	96.111
30%	Vnom	0.5807	360.45	96.848	0.58	360.5	96.832	0.58	360.36	96.850	0.58	360.43	96.845	0.58	360.36	96.850
50%	Vnom	0.9626	360.56	97.110	0.963	360.41	97.181	0.961	360.35	97.108	0.963	360.43	97.111	0.962	360.37	97.104
75%	Vnom	1.4353	360.51	97.142	1.433	360.53	96.995	1.433	360.34	97.140	1.436	360.48	97.135	1.432	360.4	97.142
100%	Vnom	2.0151	360.48	96.893	2.012	360.48	96.764	2.014	360.43	96.892	2.013	360.43	96.895	2.014	360.45	96.908
10%	Vmax	0.175	400.47	92.272	0.175	400.51	92.277	0.174	400.61	92.244	0.175	400.54	92.261	0.175	400.5	92.285
20%	Vmax	0.3888	400.64	95.771	0.389	400.51	95.765	0.39	400.5	95.756	0.389	400.64	95.749	0.389	400.58	95.751
30%	Vmax	0.5793	400.62	96.574	0.58	400.23	96.571	0.58	400.62	96.580	0.58	400.52	96.579	0.579	400.5	96.568
50%	Vmax	0.962	400.65	96.931	0.962	400.52	96.936	0.963	400.44	96.932	0.962	400.31	96.935	0.961	400.42	96.929
75%	Vmax	1.4334	400.44	96.968	1.432	400.53	96.970	1.433	400.26	96.961	1.435	400.42	96.974	1.433	400.24	96.967
100%	Vmax	2.0135	400.5	96.831	2.013	400.47	96.824	2.014	400.51	96.820	2.014	400.68	96.826	2.012	400.33	96.816

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															