Manufacturer: Agepower Limited

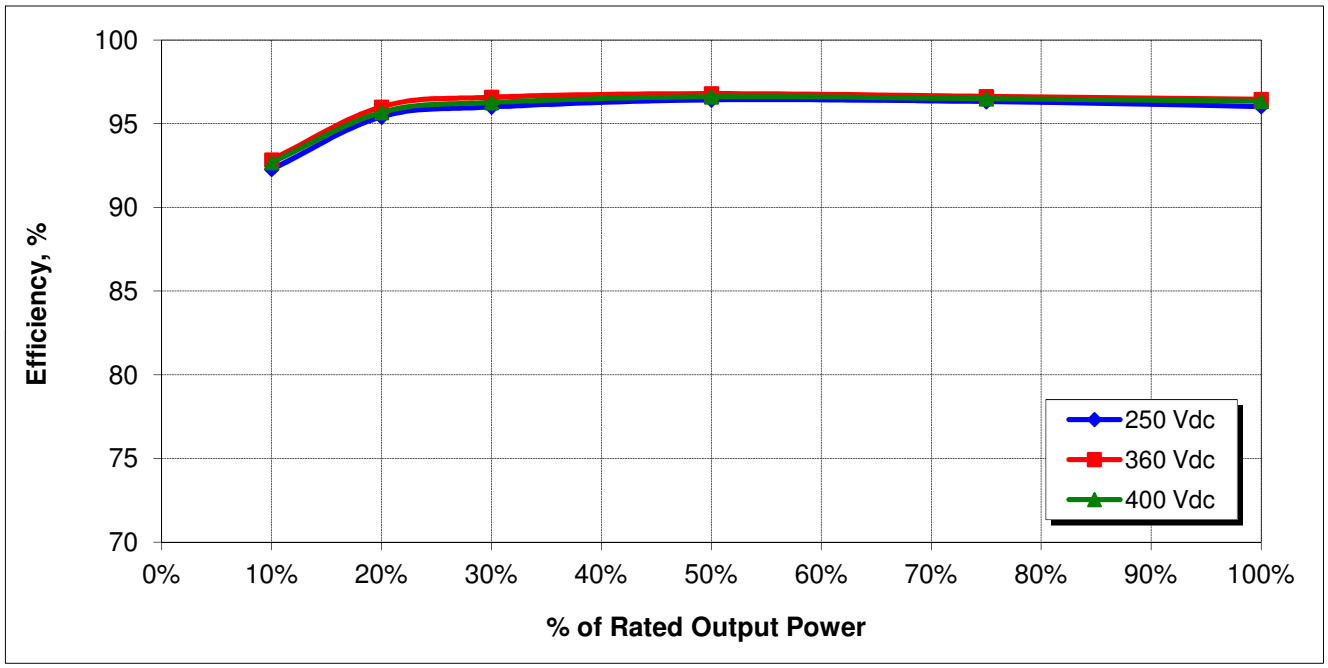
Model #: AP 2000TL-US (208 Vac)

Rated Maximum Continuous Output Power: 1.80 kW Night Tare Loss: 0.09 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.18	0.36	0.54	0.90	1.35	1.80	Wtd
Vmin	250	92.3	95.4	96.0	96.4	96.3	96.0	96.1
Vnom	360	92.8	96.0	96.6	96.8	96.6	96.4	96.5
Vmax	400	92.7	95.7	96.3	96.6	96.5	96.3	96.3

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	0.1748	250.56	92.291	0.175	250.47	92.274	0.174	250.46	92.284	0.174	250.54	92.270	0.174	250.54	92.246
20%	Vmin	0.3868	250.43	95.386	0.387	250.48	95.395	0.387	250.52	95.398	0.387	250.5	95.433	0.387	250.56	95.399
30%	Vmin	0.5777	250.39	95.969	0.577	250.42	95.973	0.577	250.68	95.982	0.577	250.39	95.996	0.577	250.42	96.027
50%	Vmin	0.957	250.27	96.409	0.956	250.29	96.408	0.956	250.37	96.432	0.957	250.53	96.406	0.956	250.51	96.408
75%	Vmin	1.4287	250.72	96.315	1.427	250.5	96.323	1.427	250.7	96.303	1.428	250.49	96.331	1.428	250.62	96.313
100%	Vmin	1.8162	250.6	96.025	1.816	250.69	96.017	1.815	250.58	96.012	1.816	250.72	96.017	1.816	250.65	96.020
10%	Vnom	0.1735	360.43	92.917	0.173	360.54	93.044	0.173	360.38	92.758	0.173	360.46	92.693	0.173	360.59	92.783
20%	Vnom	0.3857	360.37	95.966	0.386	360.72	95.918	0.385	360.29	96.051	0.386	360.41	95.930	0.386	360.42	96.107
30%	Vnom	0.5765	360.41	96.555	0.576	360.55	96.566	0.576	360.44	96.578	0.576	360.42	96.587	0.576	360.32	96.589
50%	Vnom	0.9538	360.42	96.800	0.955	360.37	96.799	0.955	360.6	96.797	0.954	360.38	96.801	0.955	360.31	96.748
75%	Vnom	1.424	360.53	96.622	1.423	360.42	96.630	1.426	360.39	96.620	1.424	360.39	96.616	1.42	360.42	96.629
100%	Vnom	1.808	360.49	96.444	1.81	360.43	96.445	1.807	360.68	96.446	1.809	360.4	96.443	1.81	360.46	96.443
10%	Vmax	0.1739	400.54	92.594	0.174	400.36	92.479	0.174	400.47	92.800	0.174	400.49	92.801	0.174	400.36	92.703
20%	Vmax	0.3856	400.47	95.715	0.385	400.49	95.653	0.386	400.4	95.690	0.386	400.23	95.658	0.385	400.43	95.630
30%	Vmax	0.5749	400.49	96.277	0.576	400.54	96.270	0.576	400.31	96.252	0.575	400.61	96.249	0.575	400.42	96.270
50%	Vmax	0.9541	400.64	96.614	0.954	400.76	96.597	0.954	400.45	96.602	0.953	400.63	96.606	0.955	400.3	96.605
75%	Vmax	1.4226	400.36	96.493	1.422	400.35	96.499	1.422	400.39	96.452	1.423	400.63	96.476	1.421	400.71	96.498
100%	Vmax	1.8123	400.54	96.325	1.808	400.48	96.332	1.809	400.57	96.330	1.811	400.39	96.324	1.808	400.39	96.330

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															