Manufacturer: Agepower Limited

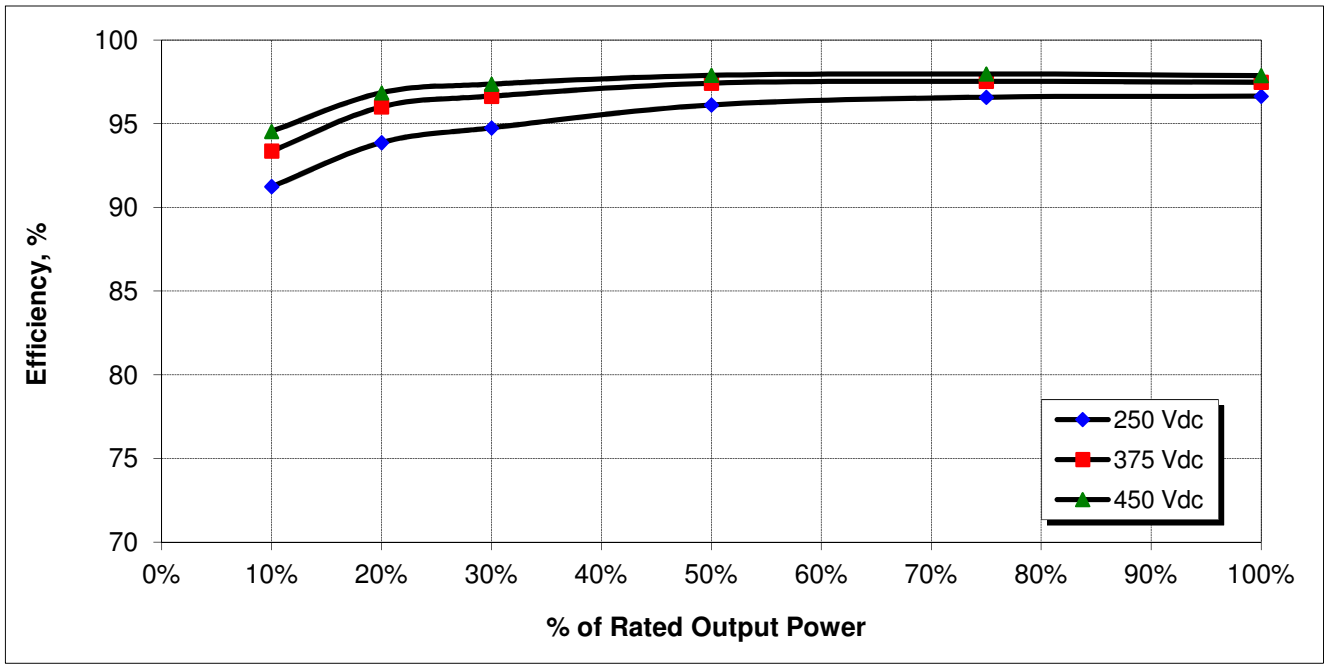
Model #: AP 3600 MTL-US (277 Vac)

Rated Maximum Continuous Output Power: 3.60 kW Night Tare Loss: 0.40 W

Vmin: 250 Vdc Vnom: 375 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.36	0.72	1.08	1.80	2.70	3.60	Wtd
Vmin	250	91.2	93.9	94.7	96.1	96.6	96.6	95.9
Vnom	375	93.4	96.0	96.6	97.4	97.5	97.5	97.2
Vmax	450	94.5	96.8	97.4	97.9	98.0	97.9	97.7

CEC Efficiency = 97.0%



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	0.3542	250.45	91.656	0.354	250.54	90.984	0.355	250.59	91.307	0.354	250.6	91.248	0.353	250.58	91.010
20%	Vmin	0.7674	250.75	94.009	0.768	250.4	93.994	0.766	250.77	93.820	0.767	250.73	93.917	0.767	250.75	93.579
30%	Vmin	1.0592	250.54	94.789	1.059	250.34	94.828	1.058	250.63	94.669	1.058	250.63	94.669	1.06	250.57	94.790
50%	Vmin	1.8589	250.47	96.090	1.859	250.29	96.109	1.86	250.36	96.105	1.86	250.19	96.164	1.858	250.74	96.096
75%	Vmin	2.7117	250.73	96.571	2.713	250.7	96.575	2.712	250.74	96.569	2.711	250.56	96.573	2.712	250.77	96.579
100%	Vmin	3.615	250.66	96.650	3.604	250.61	96.481	3.608	250.6	96.676	3.613	250.61	96.671	3.616	250.65	96.685
10%	Vnom	0.3541	375.37	93.276	0.355	375.51	93.515	0.354	375.5	93.244	0.355	375.44	93.537	0.354	375.46	93.261
20%	Vnom	0.7686	375.47	96.015	0.767	375.36	96.003	0.766	375.35	96.000	0.766	375.49	96.008	0.769	375.51	96.007
30%	Vnom	1.0588	375.49	96.661	1.058	375.48	96.640	1.06	375.48	96.631	1.058	375.44	96.636	1.057	375.55	96.651
50%	Vnom	1.8603	375.18	97.418	1.861	375.38	97.417	1.861	375.46	97.417	1.859	375.34	97.425	1.859	375.59	97.416
75%	Vnom	2.7118	375.81	97.518	2.713	375.66	97.533	2.713	375.67	97.527	2.711	375.77	97.530	2.714	375.52	97.536
100%	Vnom	3.6111	375.58	97.464	3.61	375.7	97.463	3.611	375.58	97.469	3.609	375.59	97.522	3.611	375.6	97.474
10%	Vmax	0.3556	450.83	94.306	0.354	450.65	94.696	0.354	450.25	94.366	0.354	450.8	94.752	0.354	450.58	94.580
20%	Vmax	0.7662	450.55	96.861	0.766	450.41	96.843	0.766	450.54	96.851	0.767	450.58	96.848	0.766	450.49	96.840
30%	Vmax	1.0576	450.48	97.364	1.057	450.55	97.363	1.058	450.52	97.384	1.057	450.47	97.359	1.059	450.39	97.361
50%	Vmax	1.8579	450.48	97.886	1.858	450.39	97.891	1.859	450.4	97.898	1.859	450.51	97.885	1.856	450.51	97.885
75%	Vmax	2.7084	450.49	97.972	2.708	450.43	97.972	2.709	450.51	97.973	2.709	450.58	97.975	2.708	450.39	97.976
100%	Vmax	3.6121	450.24	97.871	3.61	450.24	97.873	3.612	450.63	97.875	3.613	450.68	97.875	3.611	450.64	97.876

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															