Manufacturer: Agepower Limited

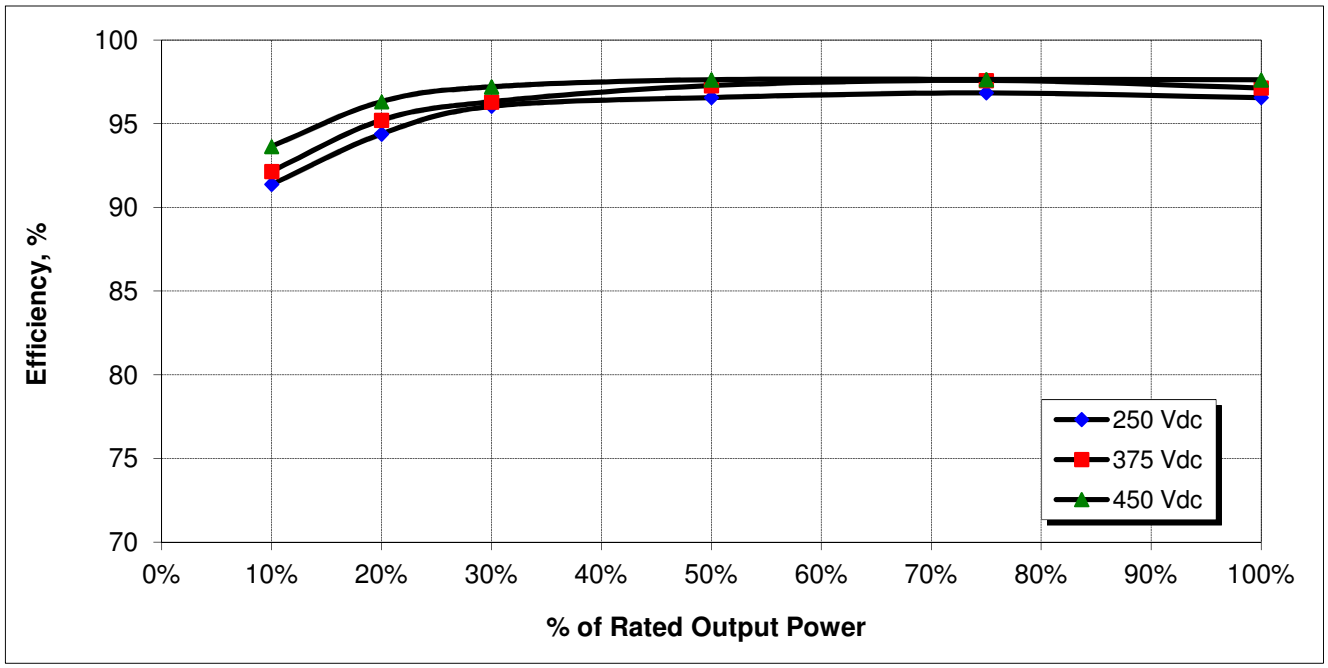
Model #: AP 4200 MTL-US (277 Vac)

Rated Maximum Continuous Output Power: 4.20 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)		0.42	0.84	1.26	2.10	3.15	4.20	Wtd
Vmin	250	91.4	94.4	96.0	96.6	96.8	96.6	96.3
Vnom	375	92.1	95.2	96.3	97.3	97.6	97.1	97.0
Vmax	450	93.6	96.3	97.2	97.6	97.6	97.6	97.4

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	0.3979	250.52	91.379	0.398	250.59	91.440	0.398	250.33	91.412	0.398	250.46	91.310	0.398	250.38	91.343
20%	Vmin	0.8351	250.29	94.408	0.835	250.62	94.385	0.834	250.65	94.380	0.836	250.58	94.396	0.835	250.56	94.384
30%	Vmin	1.3045	250.64	96.045	1.306	250.74	96.024	1.306	250.4	96.023	1.305	250.35	96.051	1.303	250.47	96.065
50%	Vmin	2.2236	250.61	96.560	2.22	250.31	96.561	2.222	250.53	96.569	2.222	250.65	96.562	2.221	250.31	96.568
75%	Vmin	3.2304	250.53	96.851	3.229	250.35	96.838	3.228	250.45	96.838	3.23	250.48	96.845	3.228	250.63	96.848
100%	Vmin	4.2258	250.58	96.555	4.224	250.54	96.547	4.223	250.48	96.569	4.222	250.38	96.562	4.224	250.44	96.548
10%	Vnom	0.3926	375.51	92.206	0.393	375.71	92.145	0.392	375.38	92.004	0.392	375.54	92.158	0.393	375.38	92.217
20%	Vnom	0.8259	375.44	95.108	0.826	375.63	95.225	0.827	375.47	95.195	0.826	375.5	95.235	0.826	375.7	95.248
30%	Vnom	1.2859	375.38	96.300	1.285	375.48	96.304	1.285	375.45	96.306	1.287	375.5	96.301	1.286	375.35	96.294
50%	Vnom	2.2167	375.32	97.274	2.214	375.55	97.265	2.216	375.61	97.270	2.214	375.6	97.259	2.214	375.34	97.273
75%	Vnom	3.2283	375.61	97.582	3.224	375.56	97.575	3.227	375.5	97.583	3.225	375.58	97.570	3.227	375.38	97.562
100%	Vnom	4.2149	375.25	97.131	4.217	375.66	97.136	4.217	375.65	97.124	4.217	375.47	97.131	4.215	375.51	97.119
10%	Vmax	0.3939	450.47	93.195	0.393	450.51	93.618	0.392	450.37	93.671	0.392	450.49	93.959	0.394	450.63	93.755
20%	Vmax	0.8268	450.57	96.279	0.828	450.51	96.348	0.825	450.63	96.248	0.825	450.57	96.352	0.825	450.65	96.338
30%	Vmax	1.2862	450.28	97.198	1.286	450.75	97.193	1.286	450.52	97.199	1.288	450.48	97.200	1.289	450.37	97.206
50%	Vmax	2.2043	450.47	97.387	2.213	450.64	97.680	2.211	450.61	97.681	2.211	450.36	97.677	2.212	450.65	97.678
75%	Vmax	3.2124	450.55	97.717	3.211	450.59	97.721	3.21	450.56	97.722	3.198	450.61	97.315	3.212	450.36	97.723
100%	Vmax	4.2158	450.48	97.598	4.215	450.43	97.617	4.212	450.52	97.617	4.215	450.46	97.615	4.217	450.49	97.613

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															