Manufacturer: Agepower Limited

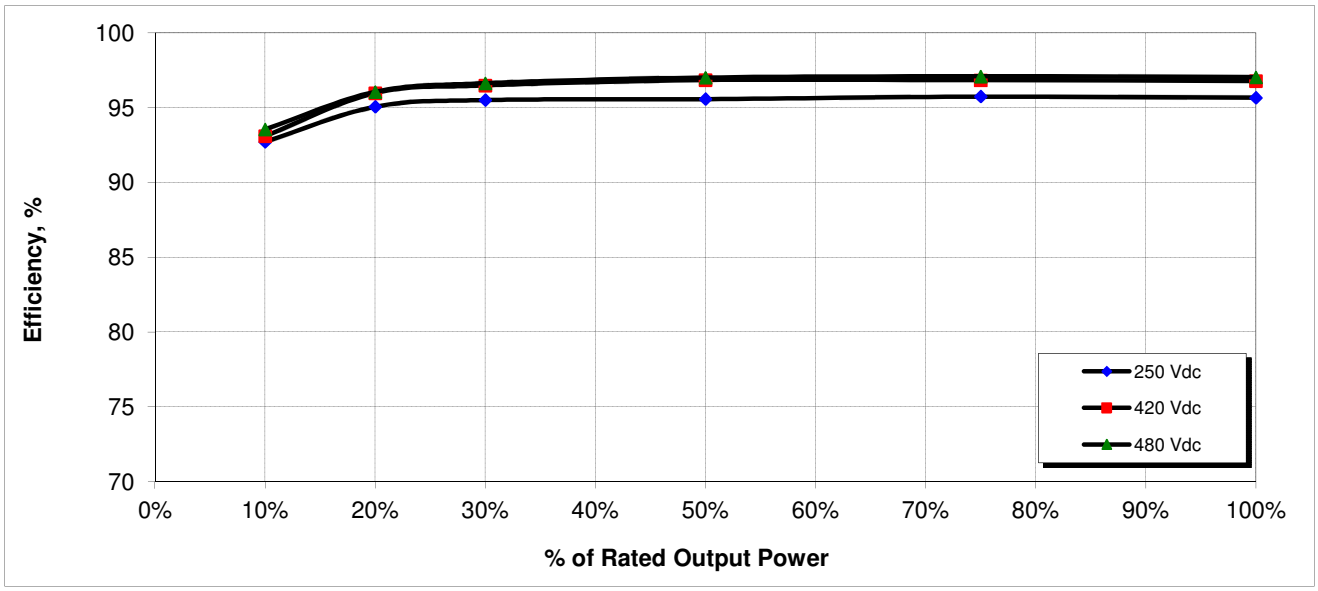
Model #: AP 20000TL3-US Output Voltage: 277 Vac

Rated Maximum Continuous Output Power: 20415.50 W Night Tare Loss: 0.20 W

Vmin: 250 Vdc Vnom: 420 Vdc Vmax: 480 Vdc

		Power Level (%; W)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		2041.55	4083.10	6124.65	10207.75	15311.63	20415.50	Wtd
Vmin	250	92.7	95.1	95.5	95.6	95.7	95.7	95.5
Vnom	420	93.1	96.0	96.5	96.8	96.8	96.8	96.6
Vmax	480	93.5	96.0	96.6	97.0	97.1	97.0	96.8

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	1840.31	247.76	92.67	1840.18	248.22	92.65	1848.18	248.95	92.81	1844.69	248.51	92.70	1844.38	248.32	92.72
20%	Vmin	4173.37	248.87	95.06	4163.32	248.19	95.04	4166.33	248.34	95.10	4176.29	249.00	95.09	4160.94	248.15	95.04
30%	Vmin	6173.59	251.04	95.53	6170.86	251.06	95.49	6189.05	251.20	95.52	6186.13	250.86	95.58	6165.20	250.33	95.47
50%	Vmin	10379.93	250.12	95.54	10381.13	250.04	95.55	10400.67	250.23	95.59	10410.20	250.95	95.60	10419.60	250.89	95.62
75%	Vmin	15081.23	251.49	95.73	15056.75	250.93	95.77	15092.30	251.25	95.75	15084.35	251.26	95.75	15099.20	250.99	95.74
100%	Vmin	19216.67	251.83	95.68	19183.33	252.00	95.52	19216.67	251.50	95.84	19200.00	251.50	95.60	19233.33	251.83	95.69
10%	Vnom	1837.43	417.78	93.15	1834.97	417.30	93.11	1834.50	417.52	93.06	1832.51	416.91	93.11	1832.56	416.76	93.10
20%	Vnom	4208.20	417.78	95.98	4201.20	416.97	95.95	4204.84	417.49	95.96	4208.13	417.66	96.00	4207.00	418.16	95.97
30%	Vnom	6246.89	417.82	96.48	6246.58	417.84	96.48	6235.68	416.99	96.48	6235.35	416.82	96.48	6247.97	417.78	96.49
50%	Vnom	10633.17	418.25	96.85	10603.27	416.69	96.86	10622.68	417.81	96.85	10629.60	418.27	96.84	10619.88	417.84	96.83
75%	Vnom	15456.22	421.67	96.81	15467.22	421.91	96.84	15472.07	422.06	96.84	15469.00	421.90	96.84	15464.88	421.89	96.84
100%	Vnom	20046.92	418.91	96.81	20054.08	418.98	96.80	20088.90	418.62	96.80	20052.49	419.43	96.76	20061.20	418.95	96.75
10%	Vmax	1865.23	474.63	93.53	1864.44	473.94	93.52	1865.28	474.50	93.53	1864.75	474.67	93.55	1864.88	473.84	93.59
20%	Vmax	4218.74	478.68	96.06	4211.50	478.39	96.02	4213.76	478.39	96.06	4215.41	478.48	96.05	4212.58	477.74	96.05
30%	Vmax	6268.04	479.48	96.62	6266.32	478.55	96.66	6268.67	479.89	96.61	6267.20	479.06	96.62	6267.88	479.26	96.63
50%	Vmax	10645.47	479.35	97.00	10648.10	479.72	97.00	10647.60	479.42	97.01	10640.17	479.07	97.00	10649.48	479.76	97.00
75%	Vmax	15293.30	473.04	97.09	15299.60	475.06	97.09	15297.27	474.55	97.09	15299.15	475.13	97.09	15296.08	474.93	97.08
100%	Vmax	20080.32	479.81	97.04	20116.70	479.49	97.04	20080.00	480.01	97.03	20091.88	477.26	97.01	20150.13	480.03	97.03

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(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															