Manufacturer: GROWATT NEW ENERGY TECHNOLOGY CO., LTD

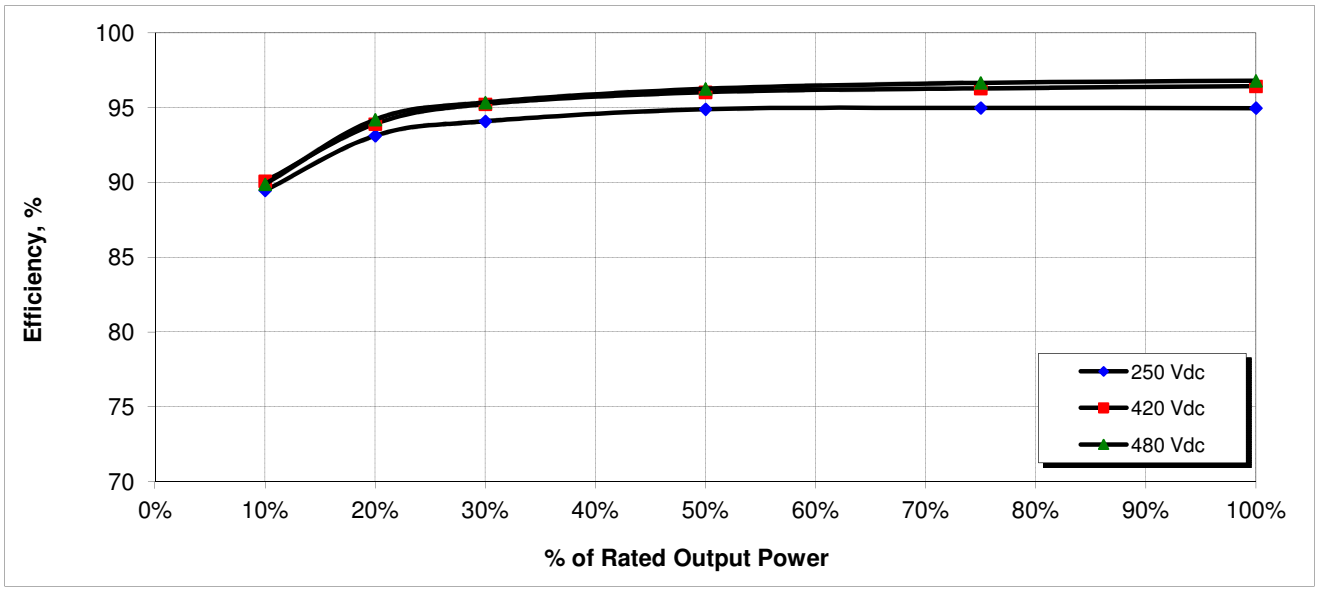
Model #: Growatt 10000 TL3-US Output Voltage: 277 Vac

Rated Maximum Continuous Output Power: 10100.00 W Night Tare Loss: 0.01 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1010.00	2020.00	3030.00	5050.00	7575.00	10100.00	Wtd
Vmin	250	89.5	93.1	94.1	94.9	95.0	95.0	94.6
Vnom	420	90.1	93.9	95.2	96.0	96.3	96.4	95.7
Vmax	480	89.9	94.2	95.4	96.3	96.7	96.8	96.0

CEC Efficiency = 95.5%



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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	1043.20	251.90	89.53	1037.45	251.05	89.54	1023.68	247.27	89.41	1027.05	248.34	89.41	1038.33	251.34	89.43
20%	Vmin	2101.57	250.54	93.16	2107.00	251.26	93.12	2103.75	251.46	93.19	2106.07	251.35	93.15	2094.62	249.92	93.05
30%	Vmin	3050.03	252.41	94.11	3057.26	253.20	94.12	3057.51	253.32	94.09	3054.21	253.14	94.08	3054.16	252.58	94.08
50%	Vmin	5085.83	250.27	94.82	5120.32	252.10	94.89	5087.74	250.29	94.95	5105.24	250.92	95.02	5123.78	252.57	94.83
75%	Vmin	7594.10	253.28	94.91	7588.78	252.60	95.00	7595.26	253.49	95.02	7596.40	252.34	95.01	7570.84	253.60	95.02
100%	Vmin	9767.66	253.49	94.95	9765.58	252.93	94.96	9768.65	253.78	94.98	9774.21	253.64	94.98	9751.86	253.07	95.01
10%	Vnom	1066.29	415.47	90.15	1056.74	415.22	90.09	1053.08	416.87	89.27	1053.10	411.58	89.78	1075.54	414.72	91.11
20%	Vnom	2007.75	417.19	93.82	2062.86	419.86	94.02	2054.68	419.09	93.91	2049.36	418.38	93.83	2060.70	420.34	93.96
30%	Vnom	3049.77	420.19	95.15	3076.29	423.77	95.28	3072.99	422.61	95.28	3057.89	421.46	95.22	3055.25	420.36	95.23
50%	Vnom	5039.15	423.44	96.06	5070.26	422.81	96.01	5065.37	422.66	96.00	5078.42	422.98	96.04	5075.99	423.74	96.06
75%	Vnom	7558.10	422.04	96.32	7523.33	419.99	96.26	7541.67	423.34	96.22	7543.78	422.49	96.31	7529.82	421.80	96.32
100%	Vnom	10108.23	423.12	96.39	10109.10	424.07	96.50	10132.57	424.13	96.39	10126.55	423.50	96.45	10133.56	424.26	96.41
10%	Vmax	1008.06	484.53	89.64	1010.91	482.92	90.02	1015.54	484.90	90.04	1014.03	486.40	89.87	1014.59	484.23	89.84
20%	Vmax	2087.05	479.82	94.21	2089.05	480.30	94.21	2087.85	480.64	94.20	2082.07	479.15	94.09	2091.94	480.40	94.30
30%	Vmax	3070.98	479.68	95.40	3069.18	481.05	95.25	3082.89	481.11	95.47	3072.32	478.88	95.31	3074.79	480.93	95.32
50%	Vmax	5038.38	481.53	96.28	5036.16	481.53	96.23	5029.41	482.46	96.16	5047.06	482.40	96.39	5044.93	483.37	96.27
75%	Vmax	7474.23	478.85	96.74	7506.94	480.96	96.74	7489.65	478.83	96.60	7489.11	479.95	96.65	7481.26	479.99	96.60
100%	Vmax	10117.35	477.72	96.88	10113.97	478.34	96.80	10102.92	477.49	96.72	10124.37	479.00	96.79	10114.25	478.63	96.84

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															