Manufacturer: GROWATT NEW ENERGY TECHNOLOGY CO., LTD

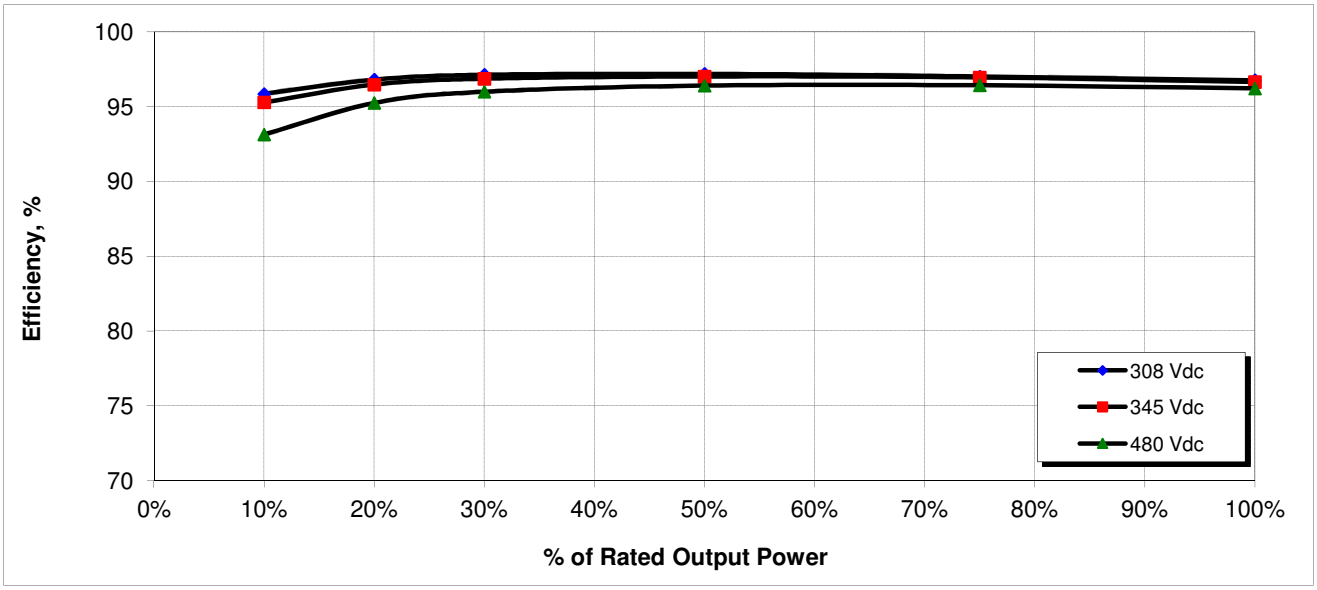
Model #: GROWATT 9000TL-US Output Voltage: 208 Vac

Rated Maximum Continuous Output Power: 9077.83 W Night Tare Loss: 0.05 W

Vmin: 308 Vdc Vnom: 345 Vdc Vmax: 480 Vdc

		Power Level (%; W)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		907.78	1815.57	2723.35	4538.92	6808.37	9077.83	Wtd
Vmin	308	95.9	96.8	97.1	97.2	97.0	96.8	97.0
Vnom	345	95.3	96.5	96.9	97.0	97.0	96.7	96.9
Vmax	480	93.1	95.3	96.0	96.4	96.4	96.2	96.2

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	943.48	308.63	95.91	944.07	308.64	95.88	946.94	308.64	95.80	945.12	308.63	95.84	943.26	308.63	95.85
20%	Vmin	1785.07	308.44	96.78	1784.90	308.43	96.77	1784.65	308.43	96.83	1784.66	308.42	96.84	1783.85	308.42	96.85
30%	Vmin	2698.08	308.31	97.11	2698.91	308.30	97.13	2697.17	308.31	97.15	2696.11	308.30	97.15	2698.83	308.30	97.15
50%	Vmin	4486.64	307.11	97.18	4483.80	307.11	97.18	4484.65	307.10	97.21	4484.54	307.10	97.21	4483.28	307.11	97.21
75%	Vmin	6759.50	308.25	97.05	6755.74	308.25	97.05	6759.49	308.25	97.03	6754.34	308.25	97.02	6756.45	308.24	96.98
100%	Vmin	9024.06	308.53	96.82	9024.32	308.51	96.71	9022.97	308.52	96.74	9022.19	308.52	96.79	9023.32	308.51	96.81
10%	Vnom	934.89	345.84	95.29	934.52	345.85	95.29	934.58	345.86	95.29	932.76	345.86	95.29	934.33	345.86	95.30
20%	Vnom	1805.89	345.51	96.44	1805.80	345.50	96.44	1804.15	345.50	96.48	1802.99	345.50	96.50	1803.92	345.50	96.51
30%	Vnom	2736.62	345.37	96.84	2733.75	345.36	96.84	2733.56	345.35	96.87	2733.48	345.36	96.89	2734.10	345.35	96.89
50%	Vnom	4566.71	345.03	97.00	4566.71	345.03	97.01	4563.73	345.03	97.02	4567.56	345.03	97.02	4567.77	345.03	97.02
75%	Vnom	6831.67	345.61	96.94	6829.79	345.60	96.90	6830.23	345.59	96.97	6830.33	345.61	97.01	6827.05	345.61	96.95
100%	Vnom	9107.89	344.58	96.66	9105.64	344.59	96.69	9106.85	344.58	96.63	9110.37	344.57	96.68	9110.95	344.57	96.60
10%	Vmax	924.11	480.60	93.13	923.49	480.61	93.15	924.21	480.60	93.14	923.73	480.58	93.17	924.85	480.59	93.14
20%	Vmax	1796.43	480.25	95.24	1797.18	480.25	95.26	1795.88	480.25	95.23	1796.50	480.26	95.26	1797.00	480.25	95.26
30%	Vmax	2731.10	480.11	96.00	2730.34	480.10	96.00	2733.14	480.12	96.00	2731.88	480.11	96.00	2732.61	480.11	96.01
50%	Vmax	4566.48	479.86	96.41	4565.02	479.86	96.42	4567.66	479.85	96.42	4565.04	479.86	96.41	4566.25	479.84	96.41
75%	Vmax	6831.57	480.85	96.34	6832.89	480.84	96.46	6830.96	480.85	96.50	6830.13	480.86	96.46	6833.07	480.85	96.43
100%	Vmax	9006.34	480.99	96.18	9004.92	481.01	96.23	9004.46	481.01	96.20	9000.19	481.01	96.21	9002.76	480.99	96.30

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															