Manufacturer: GROWATT NEW ENERGY TECHNOLOGY CO., LTD

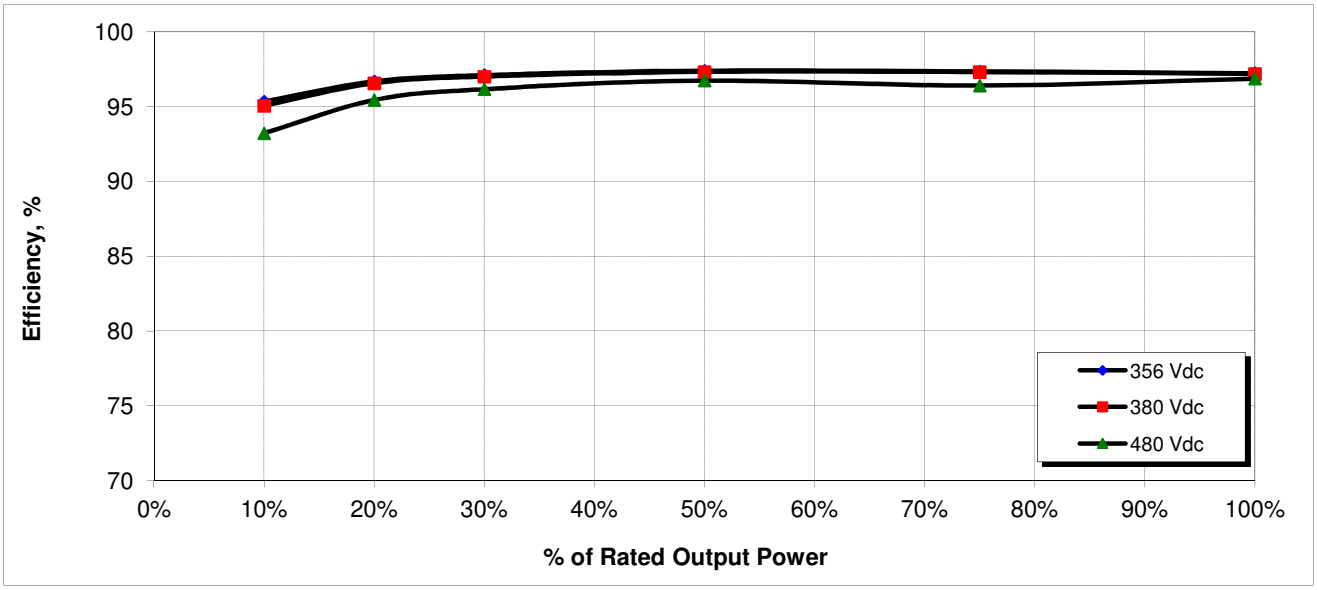
Model #: GROWATT 8000TL-US Output Voltage: 240 Vac

Rated Maximum Continuous Output Power: 8080.03 W Night Tare Loss: 0.08 W

Vmin: 356 Vdc Vnom: 380 Vdc Vmax: 480 Vdc

		Power Level (%; W)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		808.00	1616.01	2424.01	4040.02	6060.02	8080.03	Wtd
Vmin	356	95.4	96.7	97.1	97.4	97.4	97.2	97.2
Vnom	380	95.1	96.6	97.0	97.3	97.3	97.2	97.1
Vmax	480	93.2	95.5	96.2	96.8	96.4	96.9	96.3

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	800.04	355.95	95.36	798.64	355.96	95.36	800.13	355.96	95.34	800.80	355.96	95.36	799.52	355.96	95.35
20%	Vmin	1583.38	355.59	96.64	1583.87	355.60	96.68	1584.53	355.59	96.71	1581.77	355.59	96.71	1583.64	355.59	96.72
30%	Vmin	2342.90	355.44	97.11	2343.14	355.44	97.12	2344.85	355.45	97.12	2345.46	355.47	97.12	2344.29	355.47	97.11
50%	Vmin	4009.79	356.18	97.41	4009.01	356.19	97.41	4008.27	356.18	97.41	4005.52	356.18	97.41	4010.95	356.18	97.41
75%	Vmin	6015.01	355.81	97.35	6018.08	355.82	97.35	6018.68	355.80	97.37	6019.10	355.80	97.37	6019.35	355.80	97.37
100%	Vmin	7990.64	355.16	97.24	7998.68	355.25	97.25	7999.84	355.38	97.24	8000.70	355.37	97.25	7996.18	355.37	97.23
10%	Vnom	820.39	379.92	95.06	816.31	379.93	95.04	816.76	379.93	95.08	818.01	379.92	95.06	817.28	379.92	95.06
20%	Vnom	1620.86	380.63	96.57	1620.34	380.63	96.57	1622.43	380.64	96.56	1619.44	380.63	96.56	1621.92	380.62	96.57
30%	Vnom	2392.40	380.52	97.00	2395.49	380.52	97.01	2395.66	380.51	97.01	2398.38	380.52	97.01	2396.34	380.52	97.01
50%	Vnom	4049.95	380.26	97.32	4049.50	380.25	97.32	4053.56	380.25	97.33	4057.69	380.25	97.32	4048.02	380.25	97.33
75%	Vnom	6075.44	379.89	97.32	6078.71	379.89	97.32	6070.59	379.89	97.32	6076.24	379.88	97.32	6074.13	379.88	97.32
100%	Vnom	8096.85	380.45	97.19	8094.01	380.44	97.19	8095.15	380.44	97.19	8102.14	380.43	97.19	8096.80	380.43	97.19
10%	Vmax	819.27	480.66	93.22	821.58	480.66	93.24	820.27	480.66	93.23	820.76	480.66	93.24	819.58	480.65	93.25
20%	Vmax	1633.78	480.41	95.39	1631.97	480.39	95.52	1628.71	480.39	95.48	1634.97	480.43	95.47	1627.71	480.36	95.40
30%	Vmax	2397.49	480.14	96.18	2396.78	480.13	96.18	2393.97	480.14	96.18	2396.36	480.14	96.18	2397.40	480.13	96.17
50%	Vmax	4041.79	480.88	96.75	4043.66	480.88	96.75	4046.35	480.88	96.75	4044.38	480.88	96.75	4041.32	480.88	96.75
75%	Vmax	6090.62	479.96	96.43	6085.05	479.96	96.41	6083.83	479.96	96.42	6084.85	479.96	96.42	6084.87	479.96	96.42
100%	Vmax	8034.51	480.23	96.88	8030.23	480.23	96.87	8034.82	480.22	96.87	8037.49	480.23	96.88	8033.89	480.22	96.88

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															