Manufacturer: GROWATT NEW ENERGY TECHNOLOGY CO., LTD

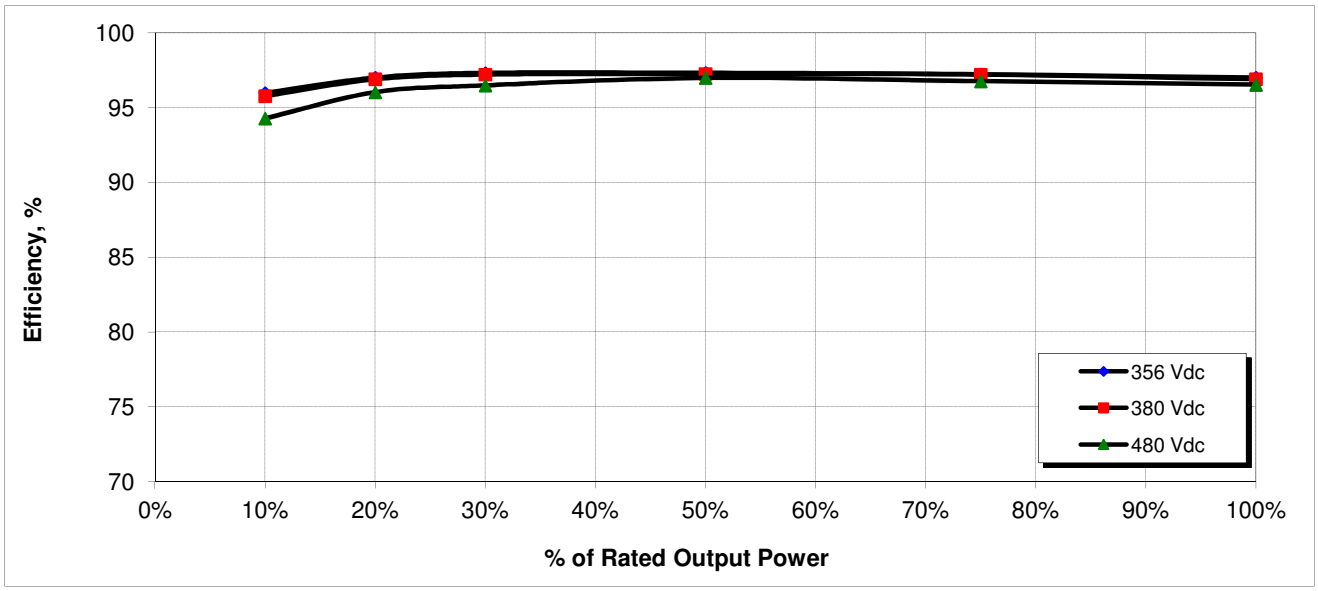
Model #: GROWATT 11000TL-US Output Voltage: 240 Vac

Rated Maximum Continuous Output Power: 11700.00 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)		1170.00	2340.00	3510.00	5850.00	8775.00	11700.00	Wtd
Vmin	356	96.0	97.0	97.3	97.3	97.2	97.0	97.2
Vnom	380	95.8	96.9	97.2	97.3	97.2	96.9	97.1
Vmax	480	94.3	96.0	96.5	97.0	96.8	96.5	96.6

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	1106.57	355.80	96.03	1108.51	355.80	96.01	1112.18	355.78	95.95	1110.22	355.79	95.95	1107.02	355.79	96.03
20%	Vmin	2195.79	356.52	96.97	2194.18	356.51	96.99	2197.61	356.51	97.02	2198.85	356.51	97.02	2195.41	356.51	97.03
30%	Vmin	3369.84	356.37	97.30	3365.06	356.38	97.32	3365.22	356.37	97.33	3364.03	356.38	97.34	3367.19	356.37	97.33
50%	Vmin	5504.07	354.91	97.33	5509.43	354.90	97.33	5505.79	354.90	97.33	5507.86	354.90	97.33	5507.58	354.89	97.33
75%	Vmin	8224.88	354.07	97.28	8228.04	354.06	97.15	8224.17	354.07	97.22	8220.00	354.08	97.23	8223.92	354.08	97.29
100%	Vmin	11032.88	354.60	97.05	11023.12	354.63	97.01	11025.25	354.61	97.00	11027.63	354.59	97.03	11030.78	354.58	96.95
10%	Vnom	1146.17	380.84	95.56	1134.84	380.88	95.97	1144.81	380.87	95.84	1140.13	380.90	95.84	1144.27	380.89	95.65
20%	Vnom	2242.89	380.58	96.91	2243.36	380.57	96.90	2240.47	380.58	96.90	2239.69	380.58	96.91	2242.28	380.58	96.90
30%	Vnom	3320.50	380.41	97.20	3320.44	380.41	97.21	3318.45	380.41	97.23	3319.35	380.41	97.23	3321.34	380.40	97.23
50%	Vnom	5584.46	379.98	97.27	5580.62	379.97	97.27	5580.22	379.97	97.27	5578.35	379.97	97.27	5583.57	379.98	97.26
75%	Vnom	8360.87	379.99	97.21	8359.25	379.99	97.18	8359.84	379.99	97.20	8358.70	379.98	97.25	8358.15	379.99	97.25
100%	Vnom	11268.62	379.59	96.92	11263.42	379.61	96.94	11263.90	379.61	96.85	11263.32	379.61	96.91	11254.40	381.90	96.90
10%	Vmax	1145.52	480.54	94.27	1143.56	480.54	94.29	1143.23	480.53	94.27	1144.85	480.54	94.28	1146.34	480.53	94.27
20%	Vmax	2238.24	480.18	96.02	2238.76	480.17	96.03	2246.60	480.18	96.03	2240.25	480.18	96.03	2241.09	480.18	96.03
30%	Vmax	3330.00	480.00	96.50	3335.00	480.00	96.58	3331.67	480.00	96.77	3328.33	480.00	96.27	3331.67	480.00	96.30
50%	Vmax	5578.67	480.04	96.95	5577.95	480.05	96.98	5576.85	480.06	97.04	5578.15	480.06	96.95	5579.27	480.07	96.99
75%	Vmax	8356.62	479.68	96.79	8358.07	479.66	96.72	8353.64	479.66	96.78	8352.14	479.66	96.80	8351.49	479.67	96.74
100%	Vmax	11043.37	480.33	96.51	11044.72	480.32	96.61	11040.47	480.35	96.52	11054.18	480.31	96.54	11060.03	480.30	96.48

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															