Manufacturer: Growatt New Energy Co., Ltd

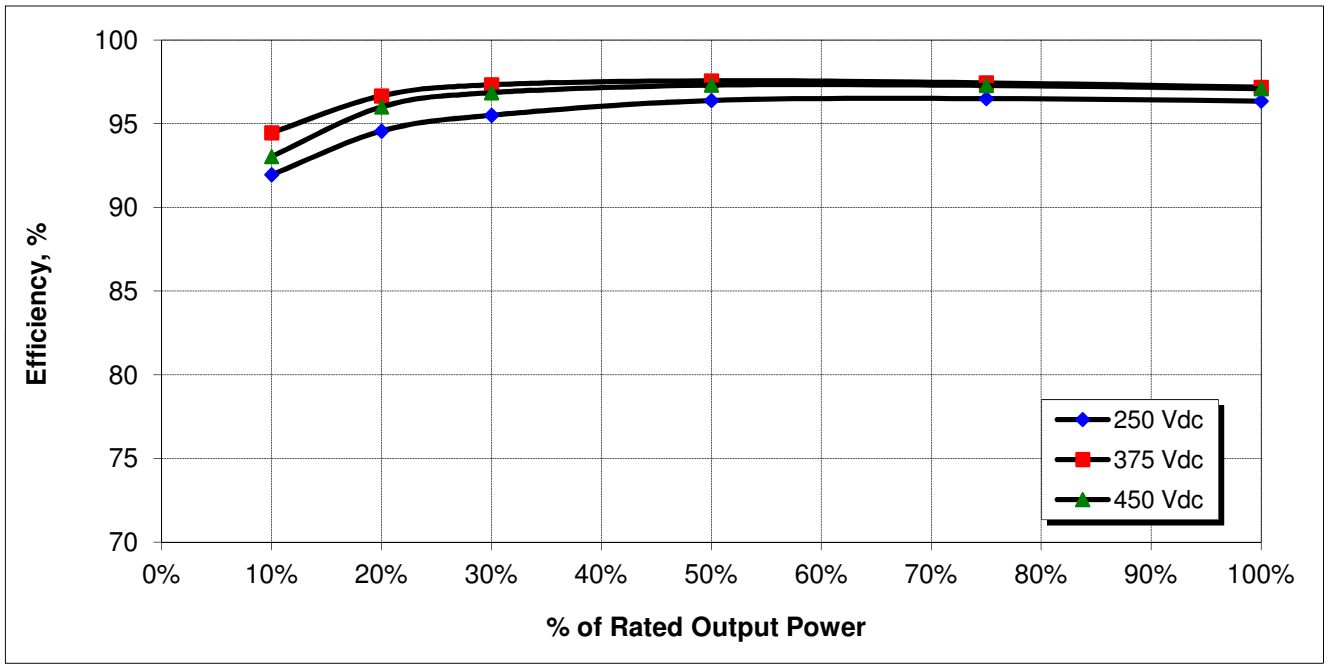
Model #: GROWATT 3600 MTL-US (208 Vac)

Rated Maximum Continuous Output Power: 3.60 kW Night Tare Loss: 0.23 W

Vmin: 250 Vdc Vnom: 375 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.36	0.72	1.08	1.80	2.70	3.60	Wtd
Vmin	250	91.9	94.6	95.5	96.4	96.5	96.3	96.1
Vnom	375	94.5	96.7	97.3	97.6	97.4	97.2	97.3
Vmax	450	93.0	96.0	96.9	97.3	97.3	97.1	97.0

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.3533	250.37	91.802	0.354	250.58	91.989	0.355	250.53	92.083	0.354	250.54	91.895	0.354	250.67	91.979
20%	Vmin	0.7656	250.33	94.549	0.766	250.58	94.599	0.765	250.46	94.476	0.766	250.47	94.626	0.765	250.51	94.517
30%	Vmin	1.0574	250.57	95.514	1.056	250.47	95.488	1.058	250.52	95.474	1.058	250.5	95.493	1.058	250.51	95.529
50%	Vmin	1.8583	250.32	96.361	1.857	250.48	96.379	1.854	250.54	96.393	1.857	250.41	96.389	1.856	250.53	96.391
75%	Vmin	2.7112	250.61	96.485	2.71	250.52	96.505	2.708	250.58	96.489	2.71	250.41	96.501	2.711	250.4	96.502
100%	Vmin	3.6102	250.63	96.343	3.614	250.65	96.352	3.609	250.59	96.346	3.616	250.5	96.345	3.61	250.51	96.342
10%	Vnom	0.3551	375.52	94.410	0.354	375.44	94.216	0.354	375.38	94.644	0.354	375.67	94.399	0.353	375.57	94.664
20%	Vnom	0.7644	375.39	96.668	0.764	375.37	96.659	0.764	375.48	96.646	0.765	375.3	96.670	0.765	375.46	96.660
30%	Vnom	1.0573	375.42	97.323	1.057	375.65	97.314	1.057	375.47	97.340	1.056	375.54	97.313	1.057	375.37	97.315
50%	Vnom	1.8579	375.55	97.569	1.855	375.54	97.600	1.857	375.38	97.548	1.854	375.58	97.544	1.857	375.49	97.562
75%	Vnom	2.7095	375.57	97.433	2.711	408.89	97.441	2.709	375.51	97.420	2.71	375.5	97.450	2.71	375.53	97.437
100%	Vnom	3.6103	375.39	97.181	3.612	377.15	97.194	3.61	375.55	97.177	3.609	375.34	97.170	3.609	375.51	97.164
10%	Vmax	0.355	450.52	93.637	0.354	450.58	93.004	0.354	457.24	92.733	0.354	450.54	92.657	0.354	450.6	93.163
20%	Vmax	0.7646	450.5	96.014	0.765	450.39	96.006	0.765	450.59	96.009	0.764	450.6	95.996	0.765	450.67	96.001
30%	Vmax	1.0561	400.57	96.876	1.055	450.55	96.850	1.055	450.48	96.844	1.055	450.64	96.865	1.055	450.65	96.839
50%	Vmax	1.858	450.41	97.303	1.859	450.52	97.307	1.859	450.5	97.306	1.857	450.51	97.309	1.859	450.48	97.315
75%	Vmax	2.712	450.4	97.287	2.71	450.47	97.292	2.712	450.35	97.292	2.709	450.67	97.291	2.709	450.49	97.291
100%	Vmax	3.6057	450.51	97.079	3.612	450.54	97.094	3.61	450.47	97.094	3.61	450.46	97.095	3.61	450.54	97.088

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(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															