Applicant: Tabuchi Electric Co.

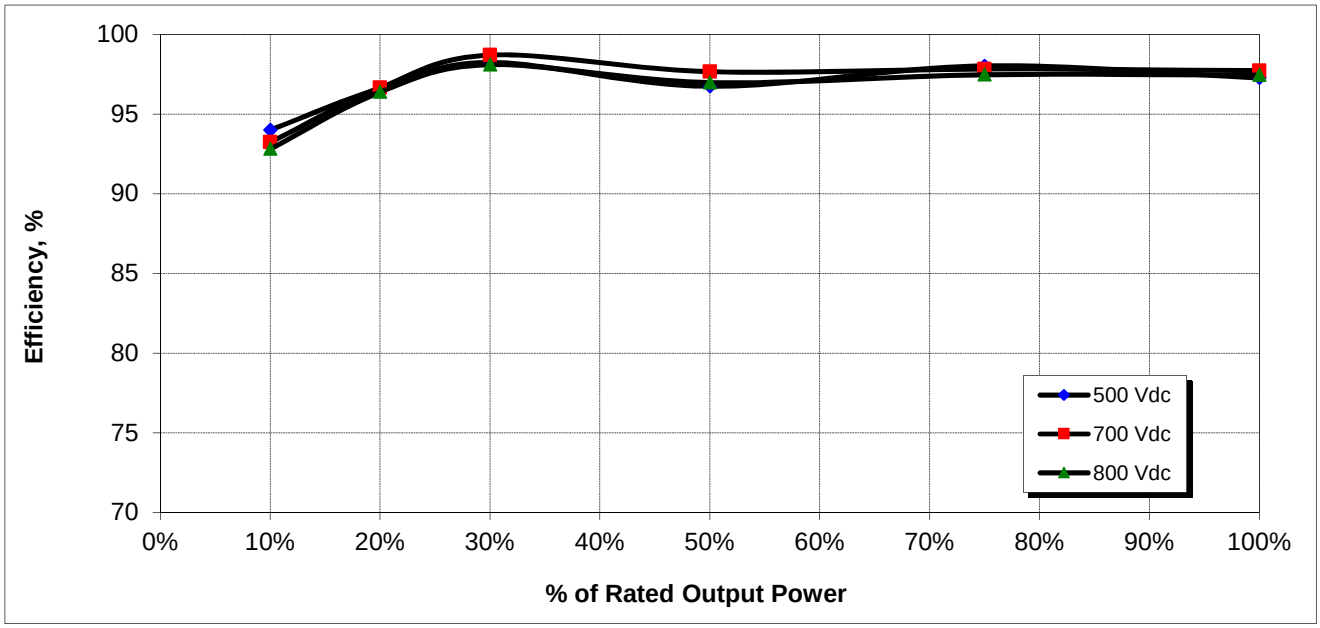
Model #: TPD-T250P6-US

Rated Maximum Continuous Output Power: 24.895 kW Night Tare Loss: 7.1290 W

Vmin: 500 Vdc Vnom: 700 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		2.49	4.98	7.47	12.45	18.67	24.90	Wtd
Vmin	500	94.0	96.6	98.2	96.7	98.0	97.3	97.5
Vnom	700	93.2	96.6	98.7	97.7	97.8	97.7	97.6
Vmax	800	92.8	96.4	98.1	97.0	97.5	97.5	97.2

CEC Efficiency = 97.5%



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	2256.2	489.11	94.366	2265.8	489.06	94.305	2247.2	489.05	94.238	2274.3	489.04	94.365	2256	489.04	92.704
20%	Vmin	5168.3	498.04	97.009	5160.9	498.06	96.338	5143	498.05	96.738	5143.4	498.04	96.496	5141	498.06	96.516
30%	Vmin	7824.3	497.04	98.462	7817.2	497.05	98.250	7812	497.08	98.068	7828.9	497.05	98.119	7847	497.07	98.294
50%	Vmin	13132	488.04	96.665	13155	488.06	96.912	13144	488.03	96.683	13178	488.06	96.701	13180	488.05	96.767
75%	Vmin	18141	497.05	97.928	18162	497.05	98.028	18160	497.07	98.063	18136	497.06	98.063	18127	497.05	98.039
100%	Vmin	22637	484.1	97.261	22658	483.95	97.268	22649	483.92	97.215	22648	483.97	97.259	22661	483.95	97.337
10%	Vnom	2237.4	596.05	94.264	2249.2	596.03	92.328	2283.9	596.03	93.544	2260.7	596.03	93.276	2251.7	596.04	92.750
20%	Vnom	5180.8	669.05	96.680	5153.6	669.03	96.670	5169.8	669.03	96.465	5187.6	669.05	96.863	5169.7	669.04	96.566
30%	Vnom	7907.6	669.05	98.689	7889.4	669.04	98.892	7897.4	669.04	98.780	7904.7	669.03	98.446	7908.1	669.05	98.696
50%	Vnom	12665	678.05	97.696	12646	678.03	97.701	12651	678.06	97.751	12636	678.07	97.576	12626	678.05	97.576
75%	Vnom	18054	694.07	97.872	18056	694.05	97.828	18050	694.03	97.824	18048	694.05	97.787	18046	694.03	97.791
100%	Vnom	23654	703.99	97.756	23661	703.85	97.794	23642	703.85	97.638	23642	703.85	97.668	23643	703.86	97.753
10%	Vmax	2666.7	736.05	93.047	2651.4	736.04	92.926	2679.8	736.04	92.339	2647.2	736.04	93.233	2655.9	736.05	92.489
20%	Vmax	4566.2	725.05	96.210	4598.4	725.04	96.316	4576.5	725.05	96.285	4568.5	725.07	96.333	4578.9	725.06	96.776
30%	Vmax	7556.5	757.06	97.934	7567.5	757.05	98.073	7567	757.05	98.188	7548.6	757.08	98.149	7552.2	757.05	98.141
50%	Vmax	12537	790.07	96.859	12557	790.05	96.937	12534	790.05	97.039	12544	790.05	97.056	12551	790.06	96.990
75%	Vmax	18129	800.04	97.404	18126	800.04	97.481	18148	800.03	97.531	18146	800.03	97.420	18146	800.04	97.495
100%	Vmax	23248	799.09	97.563	23254	798.95	97.409	23259	798.94	97.374	23263	798.95	97.390	23253	798.95	97.515

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															