Manufacturer: Green Power Technologies SL

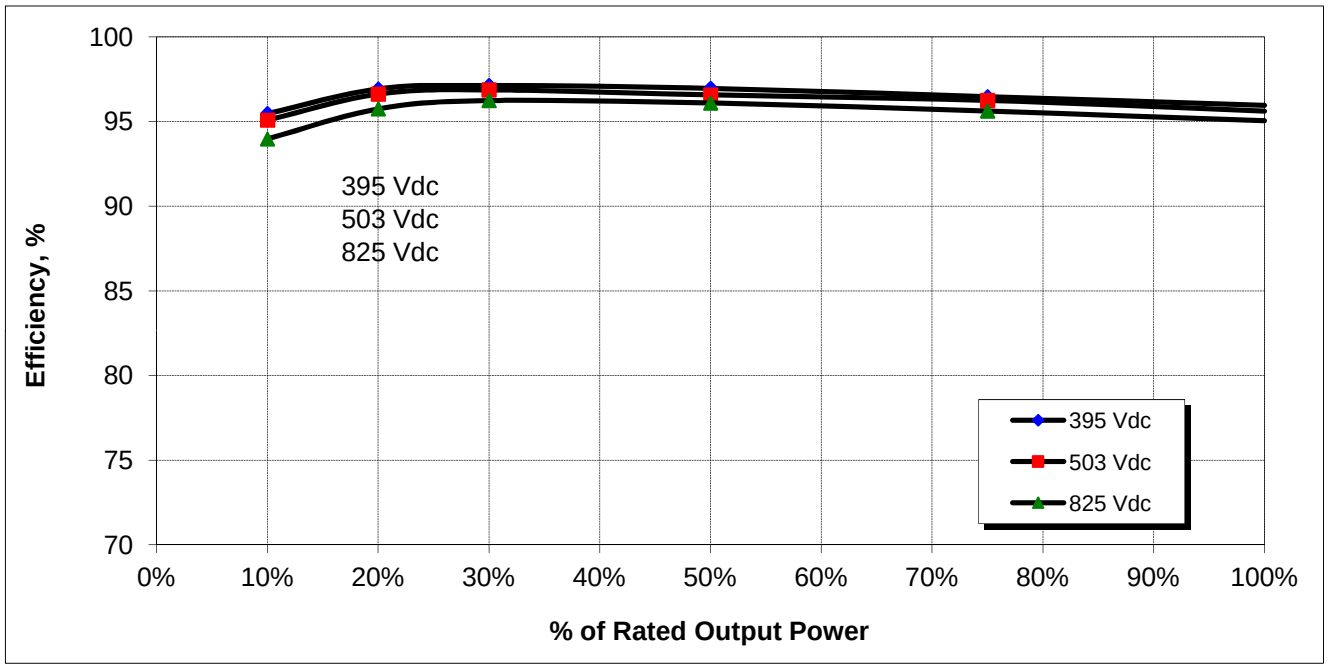
Model #: PV500WDX-XXX + MVT

Rated Maximum Continuous Output Power: 600 kW Night Tare Loss: 154.4 W

Vmin: 395 Vdc Vnom: 503 Vdc Vmax: 825 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		60	120	180	300	450	600	Wtd
Vmin	395	95.5	96.9	97.1	97.0	96.5	96.0	96.6
Vnom	503	95.1	96.6	96.9	96.6	96.2	95.6	96.3
Vmax	825	94.0	95.7	96.2	96.1	95.6	95.1	95.7

CEC Efficiency = 96.0%



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	59.75	396.69	98.646	59.81	396.7	98.696	59.83	396.7	98.615	59.83	396.7	98.615	59.85	396.7	98.600
20%	Vmin	119.97	396.68	98.741	120.02	396.68	98.758	120.11	396.68	98.775	120.09	396.68	98.758	120.11	396.68	98.775
30%	Vmin	181.1	396.57	98.638	181.03	396.57	98.654	180.8	396.56	98.636	180.86	396.57	98.631	180.84	396.57	98.642
50%	Vmin	300.07	396.33	98.351	300.13	396.34	98.361	300.24	396.35	98.343	300.21	396.35	98.650	300.22	396.35	98.359
75%	Vmin	450.46	395.86	98.090	450.08	395.9	98.093	449.97	395.77	98.090	450.51	395.89	98.093	450.77	395.92	98.097
100%	Vmin	601.07	395.85	97.878	600.4	395.86	97.876	600.29	395.85	97.879	60049	395.85	97.879	600.34	395.85	97.882
10%	Vnom	59.97	504.45	98.151	59.98	504.46	98.167	60.03	504.46	98.088	60.02	504.46	98.184	60.02	504.46	98.120
20%	Vnom	120.11	504.55	98.451	120.13	504.55	98.467	120.11	504.55	98.451	120.11	504.55	98.451	120.11	504.55	98.451
30%	Vnom	180.03	504.53	98.377	180.03	504.53	98.377	180.15	504.53	98.351	180.15	504.53	98.351	180.12	504.52	98.372
50%	Vnom	300.4	504.36	98.138	300.37	504.37	98.128	300.38	504.370	97.131	300.39	504.37	98.135	300.38	504.37	98.131
75%	Vnom	450.5	504	97.865	450.41	504.01	97.866	450.41	504.01	97.858	450.42	504	97.860	450.37	504	97.864
100%	Vnom	599.34	503.93	97.530	599.59	503.92	97.520	599.67	503.92	97.520	599.75	503.92	97.530	599.82	503.92	97.520
10%	Vmax	60.51	825.21	97.127	60.59	825.22	97.099	60.66	825.21	97.056	60.65	825.19	97.040	60.67	825.18	97.072
20%	Vmax	120.66	825.06	97.566	120.69	825.06	97.567	120.7	825.05	97.575	120.74	825.05	97.552	120.79	825.05	97.569
30%	Vmax	180.24	825.02	97.744	180.26	825.02	97.755	180.28	825.02	97.734	180.29	825.02	97.718	180.28	825.01	97.713
50%	Vmax	300.47	825.47	97.501	300.48	825.44	97.517	300.4	825.39	97.523	300.34	825.36	97.513	300.29	825.33	97.528
75%	Vmax	448.86	828.76	97.234	449.39	828.77	97.235	449.34	828.76	97.224	449.2	828.75	97.229	449.32	828.77	97.228
100%	Vmax	599.35	825.53	96.956	600.03	825.53	96.956	599.51	825.52	96.956	599.56	825.52	96.953	599.76	825.53	96.954

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	59.85	396.7	98.600	59.85	396.7	98.600									
20%	Vmin	120.13	396.68	98.791	120.12	396.68	98.783									
30%	Vmin	180.79	396.57	98.631	180.84	396.57	98.620									
50%	Vmin	300.25	396.35	98.346	300.22	396.35	98.346									
75%	Vmin	450.07	395.86	98.097	450.59	395.89	98.089									
100%	Vmin	600.4	395.86	97.876	600.45	395.86	97.878									
10%	Vnom	60.05	504.46	98.121	60.05	503.6	98.766									
20%	Vnom	120.11	504.55	98.451	120.11	504.55	98.451									
30%	Vnom	180.15	504.52	98.351	180.11	504.52	98.367									
50%	Vnom	300.4	504.37	98.138	300.39	504.37	98.135									
75%	Vnom	450.38	503.99	97.866	450.37	503.99	97.864									
100%	Vnom	599.78	503.92	97.520	599.84	503.92	97.520									
10%	Vmax	60.69	825.17	97.104	60.69	825.16	97.104									
20%	Vmax	120.82	825.04	97.569	120.87	825.04	97.554									
30%	Vmax	180.29	825.01	97.718	180.29	825	97.718									
50%	Vmax	300.24	825.32	97.512	300.21	825.31	97.525									
75%	Vmax	449.32	828.78	97.230	449.34	828.79	97.234									
100%	Vmax	599.59	825.55	96.947	599.73	825.56	96.950									