Manufacturer: GE Energy

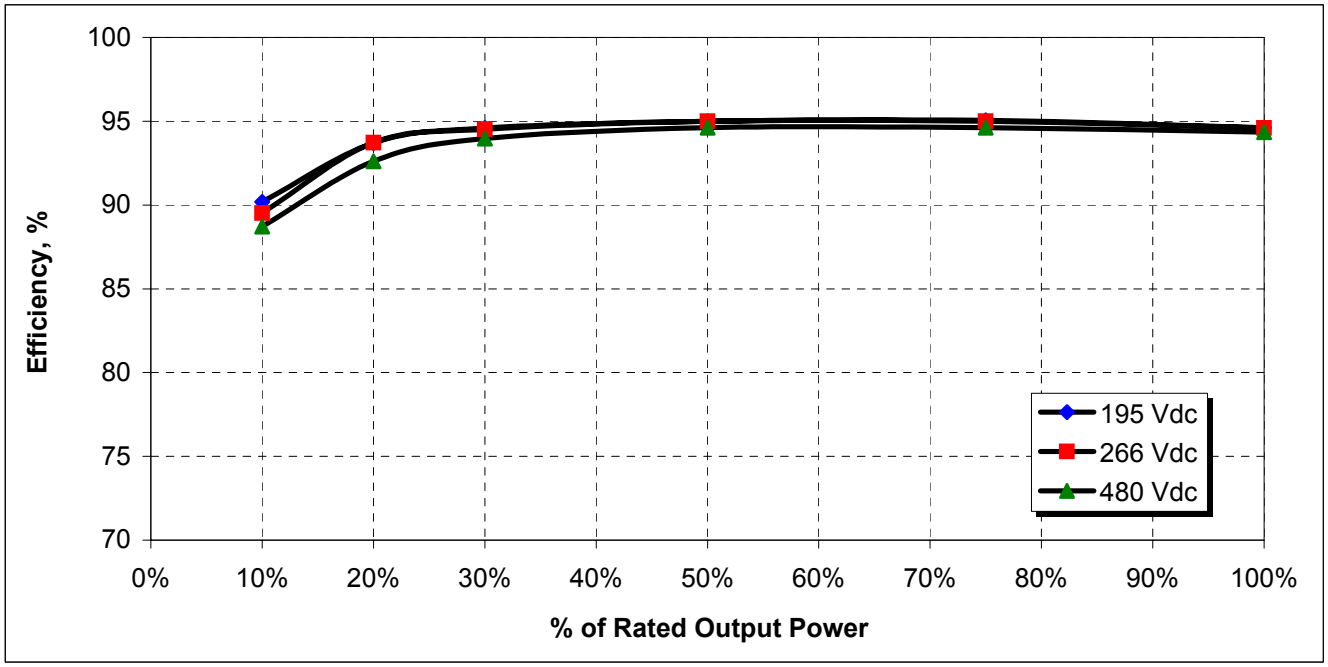
Model #: GEPVb-3000-NA-240

Rated Maximum Continuous Output Power @25°C: 3.000 kW Night Tare Loss: 1.00 W
Rated Maximum Continuous Output Power @40°C: 3.000 kW Night Tare Loss: 1.00 W

Vmin: 195 Vdc Vnom: 266 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.60	0.90	1.50	2.25	3.00	Wtd
Vmin	195	90.2	93.7	94.6	95.0	95.0	94.6	94.7
Vnom	266	89.5	93.7	94.5	95.0	95.0	94.6	94.6
Vmax	480	88.7	92.6	94.0	94.6	94.6	94.3	94.2

CEC Efficiency = 94.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	296.583	195.16	90.171	296.32	195.17	90.175	295.39	195.18	90.117	298.16	195.14	90.221	297.68	195.15	90.214
20%	Vmin	641.637	194.95	93.701	636.38	195.02	93.694	630.62	195.1	93.748	633.51	195.06	93.709	631.41	195.08	93.690
30%	Vmin	928.027	195.19	94.589	926.24	195.21	94.589	925.64	195.23	94.595	926.01	195.23	94.587	926.06	195.22	94.591
50%	Vmin	1539.17	195.5	94.979	1543.1	195.44	94.991	1547.9	195.37	94.992	1548.2	195.37	94.984	1547.1	195.39	94.992
75%	Vmin	2301.63	195.91	95.071	2300.3	195.92	95.043	2298.9	195.95	95.055	2301.2	195.91	95.053	2301.2	195.92	95.054
100%	Vmin	3025.43	195.79	94.620	3037.5	195.59	94.612	3028.7	195.73	94.615	3032.1	195.68	94.625	3036.9	195.6	94.618
10%	Vnom	290.917	267.11	89.535	289.84	267.12	89.504	290.41	267.12	89.527	291.73	267.1	89.551	290.87	267.11	89.528
20%	Vnom	641.65	267.15	93.713	643.38	267.13	93.726	641.48	267.15	93.709	638.71	267.17	93.701	642.54	267.14	93.721
30%	Vnom	921.097	267.14	94.500	921.81	267.14	94.510	920.77	267.15	94.513	922.74	267.13	94.519	922.44	267.14	94.517
50%	Vnom	1554.53	266.85	94.995	1554.7	266.85	94.994	1551.3	266.88	94.991	1557.4	266.82	94.994	1553.8	266.86	94.989
75%	Vnom	2320.9	267.09	94.986	2322.5	267.07	94.987	2324.2	267.05	94.988	2323.8	267.05	94.987	2321.6	267.08	94.991
100%	Vnom	3060.8	266.9	94.600	3065.4	266.8	94.600	3067.2	266.8	94.600	3063	266.9	94.600	3056.1	266.9	94.600
10%	Vmax	295.14	480.01	88.750	293.8	480.03	88.708	293.59	480.02	88.704	293.92	480.02	88.704	293.64	480.02	88.710
20%	Vmax	623.777	480.06	92.595	629.97	480.03	92.640	629.08	480.03	92.629	623.49	480.06	92.596	628.85	480.03	92.630
30%	Vmax	927.67	480.26	93.968	927.06	480.27	93.963	926.55	480.27	93.962	928.11	480.26	93.974	927.76	480.27	93.968
50%	Vmax	1539.1	480.4	94.605	1538.4	480.41	94.603	1535.5	480.42	94.605	1536.1	480.42	94.621	1537.4	480.41	94.619
75%	Vmax	2317.73	480.12	94.635	2317.2	480.13	94.634	2319.2	480.12	94.630	2321.3	480.1	94.618	2321.5	480.1	94.616
100%	Vmax	3066.53	480.09	94.337	3068.5	480.09	94.345	3064.2	480.1	94.341	3061.4	480.12	94.343	3065.8	480.1	94.345

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	297.953	195.15	90.231	296.62	195.16	90.197									
20%	Vmin	637.047	195	93.703	634.71	195.04	93.672									
30%	Vmin	927.577	195.2	94.589	927.3	195.2	94.594									
50%	Vmin	1547.27	195.39	95.002	1550	195.35	94.987									
75%	Vmin	2299.73	195.93	95.049	2303.2	195.87	95.024									
100%	Vmin	3036.4	195.61	94.618	3031.6	195.69	94.631									
10%	Vnom	290.567	267.11	89.520	290.22	267.12	89.509									
20%	Vnom	640.763	267.15	93.708	642.29	267.14	93.720									
30%	Vnom	921.81	267.14	94.509	920.44	267.15	94.509									
50%	Vnom	1553.13	266.86	94.985	1553	266.87	94.996									
75%	Vnom	2321.5	267.08	94.988	2321.9	267.07	94.990									
100%	Vnom	3043.8	267.1	94.600	3041.2	267.1	94.600									
10%	Vmax	294.073	480.02	88.716	294.9	480.02	88.753									
20%	Vmax	623.85	480.06	92.599	622.5	480.07	92.586									
30%	Vmax	927.267	480.27	93.965	927.41	480.27	93.968									
50%	Vmax	1538.1	480.41	94.604	1538.5	480.41	94.601									
75%	Vmax	2326.4	480.08	94.605	2324.8	480.08	94.617									
100%	Vmax	3070.8	480.07	94.340	3063.2	480.11	94.339									