Manufacturer: Creation Tech

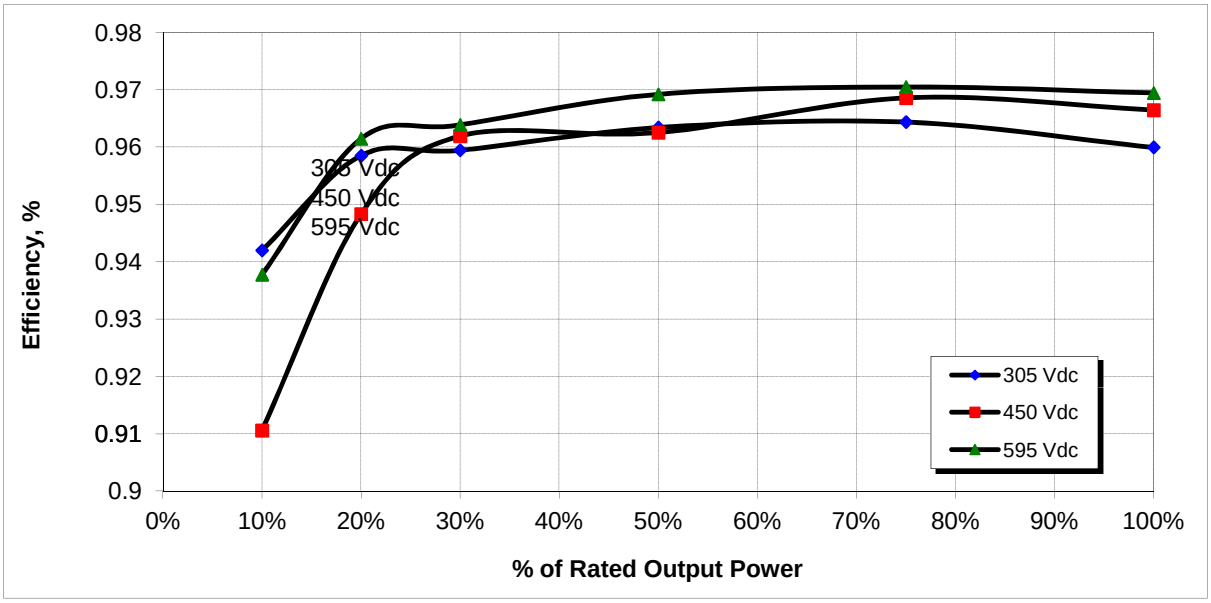
Model #: MPV.150.01

Rated Maximum Continuous Output Power: 44.41 kW Night Tare Loss: -54.94 W

Vmin: 305 Vdc Vnom: 450 Vdc Vmax: 595 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		4.44	8.88	13.32	22.21	33.31	44.41	Wtd
Vmin	305	94.2%	95.9%	95.9%	96.3%	96.4%	96.0%	96.2%
Vnom	450	91.1%	94.8%	96.2%	96.3%	96.9%	96.6%	96.3%
Vmax	595	93.8%	96.1%	96.4%	96.9%	97.0%	96.9%	96.8%

CEC Efficiency = 96.5%



Equipment Used:

Asset #	Description	Mfg	Model	Serial	Cal Date	Cal Due
A349	CURRENT	TRANSFOR	250ACT 109	2982882	22-Feb-13	22-Feb-14
C190	CURRENT	SATURN	DL500	10093193	2-Oct-12	2-Oct-13
W176	Power anazlier	Yokogawa	WT500	10093793	2-Oct-12	2-Oct-13
W177	Power anazlier	Yokogawa	WT500	U1W400225	14-Mar-12	14-Mar-13

Test Engineer: Jeffrey Wilson DATE: 14-May-13

Reviwe Engineer: Steven Pasternack DATE: 29-May-13

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	4.057	306.94	94.13%	4.056	306.93	94.33%	4.057	306.92	94.13%	4.055	306.93	94.08%	4.056	306.92	94.33%
20%	Vmin	8.238	306.69	96.01%	8.237	306.7	95.78%	8.237	306.71	95.78%	8.238	306.69	95.79%	8.238	306.68	95.90%
30%	Vmin	12.706	306.46	95.97%	12.71	306.43	95.92%	12.71	306.43	95.99%	12.71	306.45	95.89%	12.71	306.45	95.96%
50%	Vmin	22.949	305.86	96.34%	22.95	305.85	96.34%	22.95	305.85	96.34%	22.95	305.85	96.35%	22.95	305.86	96.34%
75%	Vmin	31.432	305.36	96.45%	31.43	305.37	96.41%	31.43	305.37	96.43%	31.43	305.37	96.45%	31.43	305.36	96.45%
100%	Vmin	44.374	304.57	96.01%	44.38	304.57	96.02%	44.38	304.57	95.97%	44.38	304.57	95.99%	44.38	304.58	95.99%
10%	Vnom	3.652	452.97	91.30%	3.651	452.97	91.05%	3.652	452.96	91.30%	3.651	452.94	90.82%	3.651	452.94	90.82%
20%	Vnom	8.358	452.65	94.87%	8.358	452.68	94.76%	8.359	452.66	94.77%	8.36	452.69	94.89%	8.358	452.67	94.87%
30%	Vnom	12.957	452.4	96.19%	12.96	452.39	96.18%	12.96	452.41	96.26%	12.96	452.37	96.13%	12.96	452.36	96.19%
50%	Vnom	21.274	451.86	96.26%	21.28	451.84	96.23%	21.28	451.84	96.23%	21.28	451.85	96.27%	21.28	451.83	96.27%
75%	Vnom	32.891	451.09	96.88%	32.89	451.11	96.84%	32.89	451.11	96.84%	32.89	451.07	96.87%	32.89	451.07	96.85%
100%	Vnom	44.829	450.24	96.66%	44.83	450.25	96.64%	44.83	450.25	96.64%	44.83	450.26	96.64%	44.83	450.26	96.65%
10%	Vmax	4.056	594.51	93.67%	4.057	594.5	93.70%	4.057	594.48	93.70%	4.056	594.51	93.89%	4.058	594.51	93.94%
20%	Vmax	9.288	594.4	96.05%	9.288	594.35	96.15%	9.288	594.35	96.15%	9.287	594.35	96.14%	9.288	594.39	96.25%
30%	Vmax	11.974	594.34	96.49%	11.97	594.33	96.40%	11.97	594.32	96.32%	11.97	594.3	96.33%	11.97	594.28	96.40%
50%	Vmax	22.571	594.03	96.87%	22.57	594	96.98%	22.57	594	96.89%	22.57	593.99	96.93%	22.57	594	96.93%
75%	Vmax	33.704	592.34	97.05%	33.7	592.34	97.01%	33.7	592.33	97.04%	33.7	592.34	97.07%	33.71	592.36	97.08%
100%	Vmax	44.426	592.11	96.96%	44.43	592.05	96.94%	44.43	592.07	96.94%	44.43	592.06	96.94%	44.43	592.05	96.94%

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															