Manufacturer: SHANGHAI CHINT POWER SYSTEMS CO., LTD

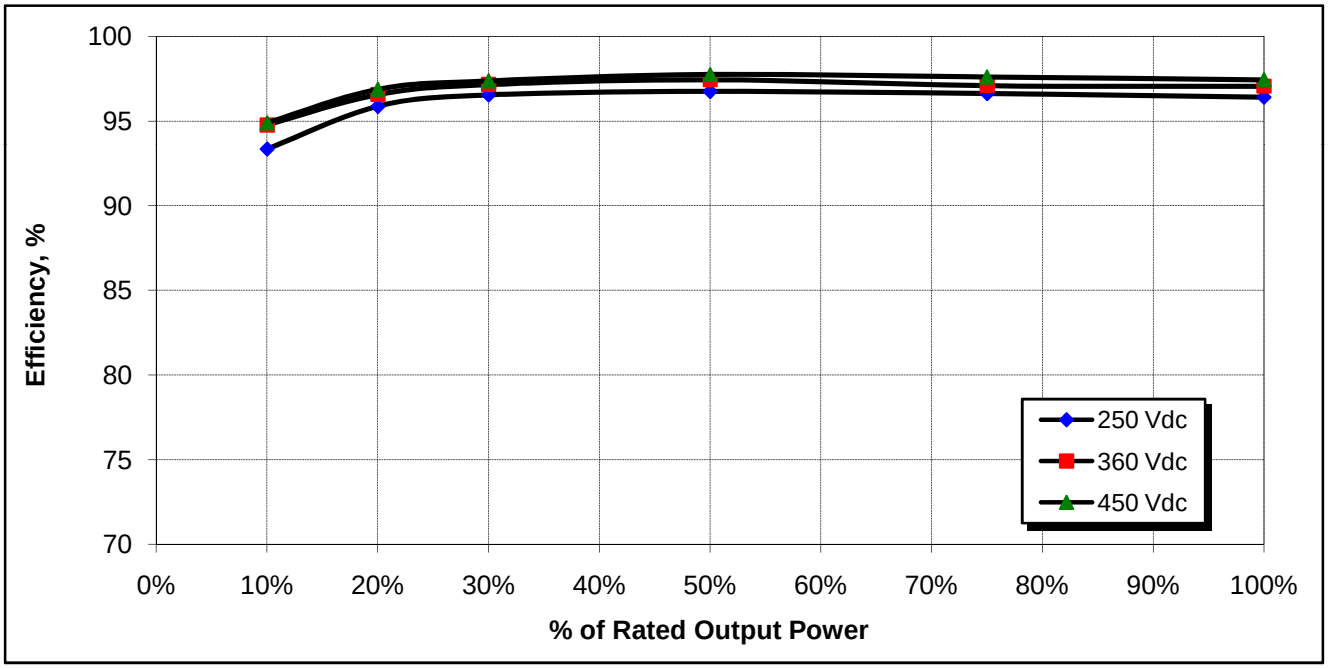
Model #: CPS SCE7KTL-O/US(277Vac)

Rated Maximum Continuous Output Power: 7.01 kW Night Tare Loss: 0.02 W

Vmin: 250 Vdc Vnom: 360 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.70	1.40	2.10	3.51	5.26	7.01	Wtd
Vmin	250	93.4	95.9	96.5	96.8	96.6	96.4	96.5
Vnom	360	94.8	96.6	97.2	97.5	97.1	97.1	97.1
Vmax	450	94.9	96.9	97.4	97.7	97.6	97.4	97.5

CEC Efficiency = 97.0%



Equipment Used:

Asset#	Description	Mfg	Model	Cal Date	Cal Due
EC0268	Power Analyzer	N4L	PPA2630	Feb. 8, 2010	Feb. 7, 2011
EC0233	Hybrid Recorder	YOKOGAWA	DR 230	Nov. 4, 2009	Nov. 3, 2010
EC0229	Humidity Chamber	TERCHY	MHU-800LSA	Jul. 9, 2010	Jul. 8, 2011

Test Engineer:Alan Weng Date:Sep. 6 - 7, 2010

Minimum of 5 samples required

Inverter Efficiency Data

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power (% of rated)	Input Voltage (Vdc)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin	0.69	256.29	93.25	0.69	255.38	93.37	0.69	255.62	93.43	0.69	256.84	93.42	0.69	255.94	93.28
20%	Vmin	1.40	253.57	95.90	1.40	253.93	95.86	1.40	253.72	95.82	1.40	252.77	95.92	1.40	253.04	95.85
30%	Vmin	2.10	252.97	96.54	2.10	252.60	96.56	2.10	252.25	96.55	2.10	252.48	96.54	2.10	252.55	96.53
50%	Vmin	3.49	250.10	96.75	3.49	250.89	96.78	3.49	250.43	96.78	3.49	250.63	96.71	3.49	250.10	96.75
75%	Vmin	5.23	248.93	96.65	5.23	249.32	96.70	5.24	248.53	96.60	5.24	248.76	96.59	5.24	248.73	96.60
100%	Vmin	6.97	246.57	96.41	6.97	245.77	96.44	6.97	245.86	96.43	6.97	246.52	96.39	6.97	246.54	96.40
10%	Vnom	0.70	366.82	94.72	0.71	363.09	94.63	0.71	367.66	94.74	0.71	365.07	94.83	0.71	369.49	94.90
20%	Vnom	1.41	363.73	96.51	1.41	364.50	96.57	1.41	364.83	96.59	1.41	364.61	96.59	1.41	363.76	96.59
30%	Vnom	2.12	362.37	97.17	2.12	361.70	97.12	2.12	362.52	97.16	2.12	361.93	97.19	2.12	362.30	97.16
50%	Vnom	3.52	360.33	97.47	3.52	360.84	97.48	3.52	361.36	97.43	3.52	361.32	97.43	3.52	361.55	97.45
75%	Vnom	5.26	360.12	96.97	5.26	360.92	96.87	5.26	360.22	97.23	5.26	360.12	97.22	5.26	360.78	97.22
100%	Vnom	7.02	357.66	97.02	7.02	357.86	97.07	7.02	358.42	97.10	7.02	358.62	97.06	7.02	358.56	97.05
10%	Vmax	0.71	462.82	94.76	0.72	463.51	95.05	0.72	463.70	95.17	0.71	466.32	95.02	0.71	463.89	94.54
20%	Vmax	1.42	458.16	96.85	1.42	460.59	96.93	1.42	461.13	96.93	1.42	460.48	96.82	1.42	460.31	96.83
30%	Vmax	2.12	458.57	97.41	2.11	458.77	97.37	2.11	458.56	97.39	2.12	458.35	97.40	2.11	458.23	97.26
50%	Vmax	3.53	455.23	97.75	3.53	455.38	97.78	3.53	455.20	97.71	3.53	455.45	97.75	3.53	455.14	97.75
75%	Vmax	5.28	453.28	97.60	5.28	454.49	97.63	5.27	453.25	97.60	5.27	453.85	97.60	5.27	453.88	97.59
100%	Vmax	7.04	452.52	97.45	7.04	452.89	97.40	7.04	452.52	97.44	7.04	452.90	97.42	7.04	452.32	97.45

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power (% of rated)	Input Voltage (Vdc)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)
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%	V															