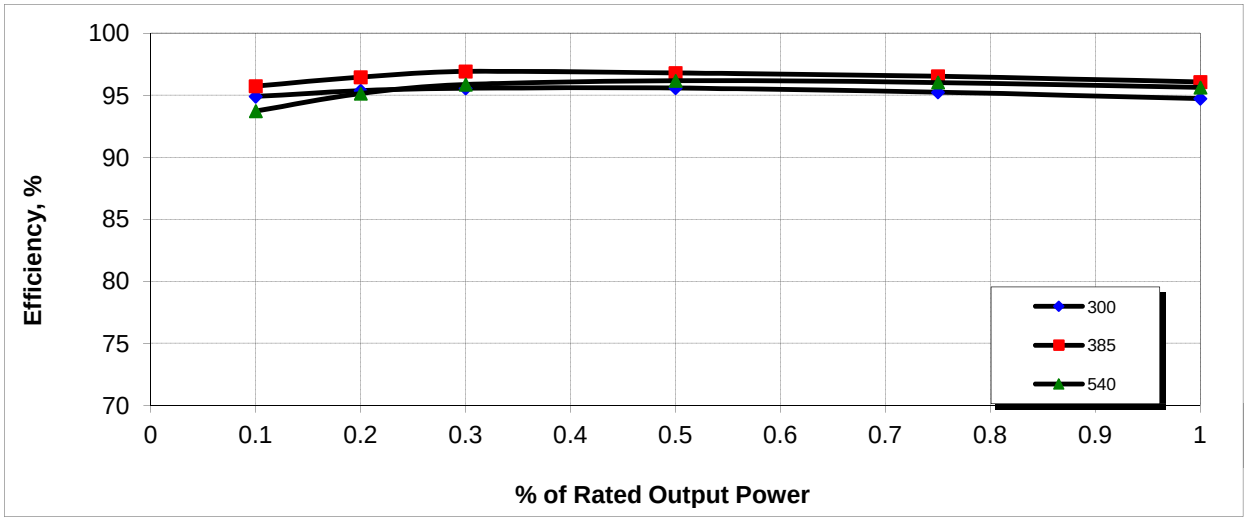
Manufacturer: Chint Solar (Zhejiang) Co., Ltd.
Model #: CHPI 14KTL-US

Rated Maximum Continuous Output Power: 14.00 kW Night Tare Loss: -4.00 W

Vmin: 300 Vdc Vnom: 385 Vdc Vmax: 540 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.40	2.80	4.20	7.00	10.50	14.00	Wtd
Vmin	300	94.9	95.4	95.6	95.6	95.2	94.7	95.3
Vnom	385	95.7	96.5	96.9	96.8	96.5	96.1	96.6
Vmax	540	93.7	95.1	95.9	96.2	96.0	95.6	95.9

CEC Efficiency = 96.0%



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	1433.1	301.563	94.90871	1432.1	301.573	94.91028	1432.9	301.597	94.90157	1433.4	301.596	94.88441	1432.4	301.586	94.91055
20%	Vmin	2817.8	301.619	95.35745	2817.5	301.648	95.38051	2817.0	301.654	95.37516	2816.5	301.647	95.36970	2816.4	301.653	95.36702
30%	Vmin	4243.1	301.705	95.56107	4243.8	301.708	95.55782	4244.3	301.732	95.56273	4243.4	301.731	95.55684	4242.8	301.729	95.56085
50%	Vmin	7058.4	301.482	95.57791	7059.2	301.489	95.57291	7059.2	301.492	95.57383	7058.2	301.505	95.57978	7057.3	301.509	95.57709
75%	Vmin	10510.4	301.473	95.25027	10509.3	301.469	95.24799	10508.8	301.487	95.24545	10509.2	301.493	95.24895	10509.2	301.495	95.24230
100%	Vmin	14035.1	301.311	94.73555	14035.4	301.299	94.73745	14035.7	301.292	94.73800	14035.5	301.288	94.73692	14036.0	301.312	94.73716
10%	Vnom	1430.6	385.133	95.74347	1430.6	385.150	95.74100	1429.8	385.155	95.71899	1429.9	385.164	95.72500	1429.8	385.141	95.72913
20%	Vnom	2824.2	385.406	96.43648	2825.6	385.411	96.46433	2824.9	385.411	96.46045	2822.7	385.412	96.46343	2821.4	385.403	96.45562
30%	Vnom	4254.2	385.172	96.88430	4255.1	385.050	96.93643	4255.6	385.133	96.92615	4256.0	385.300	96.89490	4256.0	385.100	96.94370
50%	Vnom	7086.7	385.631	96.79913	7085.4	385.632	96.80208	7085.0	385.615	96.80226	7086.5	385.626	96.80018	7087.3	385.656	96.79242
75%	Vnom	10537.3	385.820	96.52201	10535.9	385.827	96.52529	10534.3	385.848	96.52760	10533.5	385.832	96.53227	10533.0	385.835	96.53055
100%	Vnom	14086.9	386.005	96.07027	14086.1	386.019	96.07564	14086.4	386.026	96.07679	14084.7	386.025	96.07114	14084.5	386.006	96.07204
10%	Vmax	1448.6	538.383	93.71645	1450.4	538.379	93.74530	1451.0	538.378	93.71583	1450.3	538.345	93.73566	1451.1	538.364	93.72957
20%	Vmax	2813.3	538.547	95.15400	2813.4	538.593	95.14502	2812.9	538.596	95.13133	2814.7	538.588	95.15841	2816.7	538.585	95.10822
30%	Vmax	4251.4	538.605	95.85329	4251.3	538.590	95.85860	4251.3	538.592	95.87705	4249.9	538.600	95.87061	4249.9	538.600	95.87504
50%	Vmax	7076.0	538.706	96.16497	7076.7	538.705	96.16816	7078.4	538.697	96.17815	7082.5	538.713	96.17627	7084.2	538.716	96.19100
75%	Vmax	10545.9	538.744	96.03775	10546.6	538.780	96.04610	10547.5	538.783	96.04223	10548.4	538.751	96.03308	10548.8	538.757	96.03398
100%	Vmax	14023.2	538.863	95.63369	14024.8	538.854	95.62707	14025.8	538.850	95.62566	14027.3	538.840	95.63144	14027.7	538.791	95.62022

Specified		Sample #			Sample #			Sample #			Sample #			Sample #		
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															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															