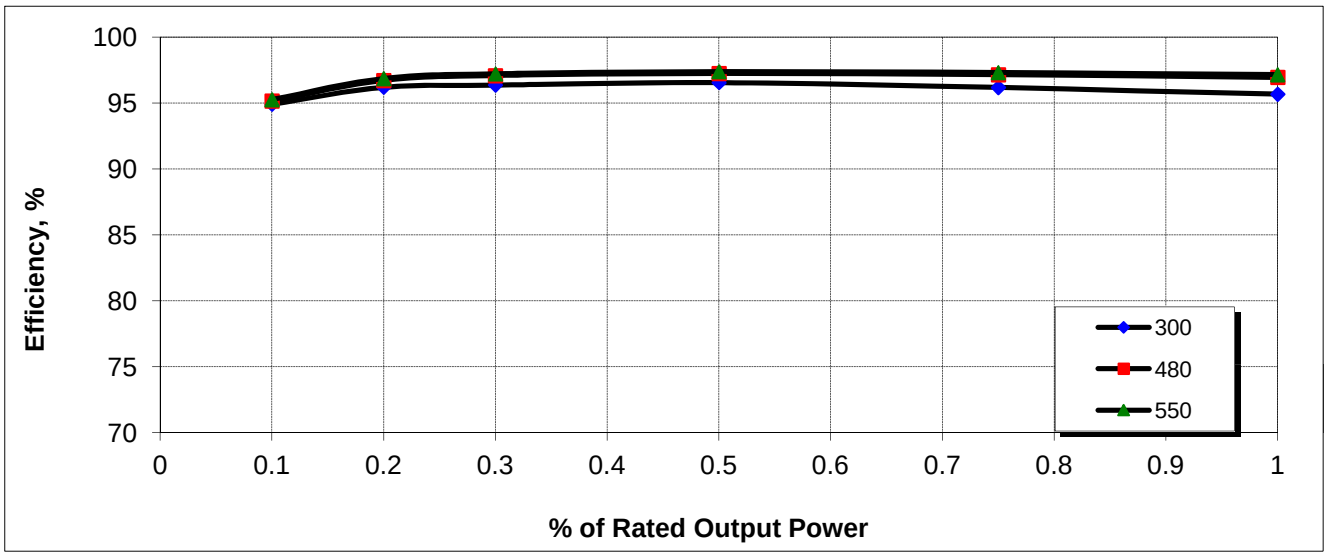
Manufacturer: Chint Solar (Zhejiang) Co., Ltd.
Model #: CHPI 20KTL-US

Rated Maximum Continuous Output Power: 20.00 kW Night Tare Loss: -2.00 W

Vmin: 300 Vdc Vnom: 480 Vdc Vmax: 550 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		2.00	4.00	6.00	10.00	15.00	20.00	Wtd
Vmin	300	94.9	96.2	96.4	96.6	96.2	95.7	96.2
Vnom	480	95.2	96.7	97.1	97.2	97.1	96.9	97.0
Vmax	550	95.3	96.8	97.2	97.4	97.3	97.2	97.2

CEC Efficiency = 97.0%



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	2006.6	300.797	94.90320	2006.4	300.805	94.91317	2005.5	300.801	94.90800	2005.7	300.816	94.90552	2005.3	300.791	94.91464
20%	Vmin	4040.8	300.777	96.21513	4039.5	300.782	96.20118	4038.9	300.776	96.19760	4039.1	300.771	96.19720	4039.2	300.758	96.19940
30%	Vmin	6015.3	301.867	96.36548	6014.6	301.874	96.36074	6015.2	301.885	96.36781	6014.2	301.866	96.37224	6014.0	301.873	96.35888
50%	Vmin	10026.5	301.483	96.55566	10026.5	301.479	96.55622	10027.3	301.494	96.56584	10025.2	301.490	96.55047	10026.2	301.500	96.55819
75%	Vmin	15025.1	300.485	96.18399	15025.3	300.488	96.18470	15026.2	300.495	96.18731	15026.9	300.500	96.18895	15027.3	300.507	96.18980
100%	Vmin	20043.0	300.470	95.68815	20040.7	300.477	95.67854	20039.3	300.487	95.66989	20039.2	300.483	95.67290	20039.8	300.483	95.67380
10%	Vnom	2034.4	480.237	95.15600	2035.5	480.249	95.17406	2033.1	480.297	95.15896	2032.6	480.281	95.17919	2031.8	480.290	95.16486
20%	Vnom	4014.0	480.279	96.71567	4015.6	480.286	96.71676	4017.0	480.302	96.71558	4018.3	480.312	96.71258	4021.1	480.331	96.73702
30%	Vnom	6044.7	480.301	97.08100	6045.2	480.296	97.08990	6044.0	480.304	97.07936	6044.3	480.287	97.08066	6043.6	480.300	97.07513
50%	Vnom	10024.3	480.030	97.24111	10022.9	480.033	97.23886	10021.9	480.043	97.24166	10021.6	480.047	97.24694	10022.8	480.084	97.24217
75%	Vnom	15023.4	479.911	97.14477	15025.0	479.932	97.14540	15024.6	479.923	97.14799	15024.5	479.952	97.14898	15022.6	479.938	97.14633
100%	Vnom	20091.5	479.890	96.94408	20092.2	479.868	96.95042	20090.8	479.850	96.94009	20092.5	479.858	96.95047	20092.3	479.880	96.94889
10%	Vmax	2019.5	550.384	95.24128	2020.1	550.377	95.26509	2019.2	550.334	95.25368	2018.8	550.335	95.26742	2019.6	550.352	95.26345
20%	Vmax	4019.4	550.304	96.85131	4019.5	550.299	96.85528	4019.2	550.302	96.83922	4018.9	550.340	96.84366	4019.4	550.362	96.85304
30%	Vmax	6022.6	550.178	97.20995	6022.6	550.220	97.20602	6022.7	550.239	97.20554	6022.4	550.233	97.20559	6023.3	550.303	97.21134
50%	Vmax	10045.7	550.020	97.37655	10045.6	550.037	97.37888	10045.4	550.009	97.37463	10047.7	550.017	97.37957	10050.6	550.034	97.38345
75%	Vmax	15052.5	549.863	97.30438	15053.9	549.909	97.30738	15053.0	549.927	97.30758	15051.3	549.930	97.31098	15048.7	549.921	97.30679
100%	Vmax	20060.0	549.985	97.14991	20062.5	550.003	97.15653	20069.3	550.000	97.17237	20063.7	549.958	97.15199	20060.3	550.007	97.14526

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															