Manufacturer: Heart Transverter

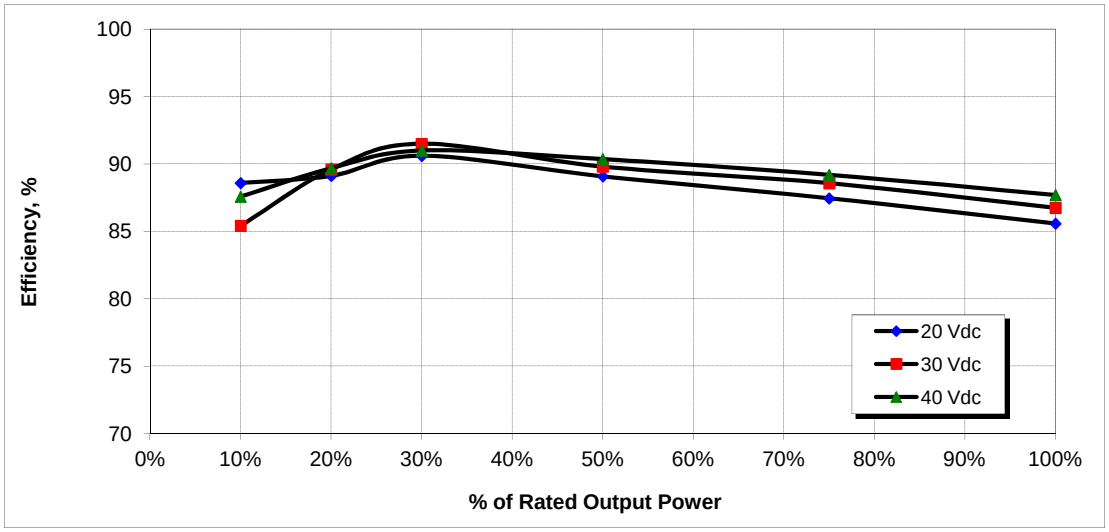
Model #: HT2000

Rated Maximum Continuous Output Power: 1.97 kW Night Tare Loss: 15.70 W

Vmin: 20 Vdc Vnom: 30 Vdc Vmax: 40 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.20	0.39	0.59	0.99	1.48	1.97	Wtd
Vmin	20	88.6	89.1	90.6	89.1	87.4	85.6	88.2
Vnom	30	85.4	89.6	91.5	89.8	88.6	86.7	89.0
Vmax	40	87.6	89.7	91.0	90.4	89.2	87.7	89.5

CEC Efficiency = 89.0%



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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.1686	20.027	90.836	0.168	20.027	90.236	0.193	20.019	85.292	0.273	20.003	87.816	0.137	20.034	88.754
20%	Vmin	0.4053	20.057	92.269	0.428	20.042	86.387	0.463	20.044	89.963	0.483	20.033	87.336	0.414	20.055	89.615
30%	Vmin	0.6549	20.005	91.194	0.606	20.012	90.030	0.64	20.003	90.393	0.658	20.003	91.181	0.631	20.006	90.220
50%	Vmin	1.1347	20.068	89.835	1.095	20.078	89.784	1.074	20.082	89.867	1.065	20.073	88.046	1.057	20.075	87.863
75%	Vmin	1.5344	20.195	87.127	1.546	20.201	87.837	1.529	20.204	87.815	1.529	20.204	87.815	1.574	20.185	86.649
100%	Vmin	1.9913	20.602	85.022	1.988	20.61	85.663	1.915	20.63	86.414	1.94	20.612	85.342	1.946	20.61	85.428
10%	Vnom	0.2673	30.238	84.610	0.177	30.254	88.950	0.136	30.259	83.744	0.164	30.255	82.799	0.136	30.26	87.009
20%	Vnom	0.424	30.032	90.172	0.444	30.027	89.445	0.376	30.034	88.680	0.38	30.034	88.865	0.382	30.033	90.840
30%	Vnom	0.649	30.117	91.466	0.661	30.114	90.677	0.617	30.119	90.351	0.644	30.117	91.476	0.61	30.127	93.554
50%	Vnom	1.0849	29.916	90.228	1.051	29.919	89.390	1.104	29.911	89.150	1.15	29.906	90.044	1.067	29.908	90.234
75%	Vnom	1.5827	29.992	88.821	1.598	29.989	88.467	1.516	30.008	89.332	1.555	29.997	88.222	1.548	29.992	88.032
100%	Vnom	1.942	29.984	87.917	1.997	29.967	86.550	1.988	29.969	86.406	2.004	29.971	87.135	2.018	29.965	85.722
10%	Vmax	0.1907	40.083	88.124	0.159	40.085	83.826	0.168	40.085	84.722	0.162	40.086	91.391	0.22	40.08	89.783
20%	Vmax	0.4039	40.004	88.865	0.475	39.994	89.164	0.374	40.007	89.103	0.446	40.001	91.156	0.409	40.003	90.128
30%	Vmax	0.6424	39.961	90.847	0.641	39.965	91.428	0.625	39.97	92.076	0.68	39.967	90.438	0.638	39.979	90.202
50%	Vmax	1.1221	40.075	90.143	1.087	40.077	90.751	1.074	40.068	90.488	1.088	40.039	90.199	1.086	40.052	90.224
75%	Vmax	1.5667	40.066	89.169	1.53	40.07	88.897	1.575	40.064	89.172	1.585	40.063	89.319	1.539	40.068	89.380
100%	Vmax	2.0127	39.792	87.722	2.013	39.792	87.722	2.013	39.792	87.722	2.013	39.792	87.722	1.978	39.789	87.582

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															