Manufacturer: Eltek

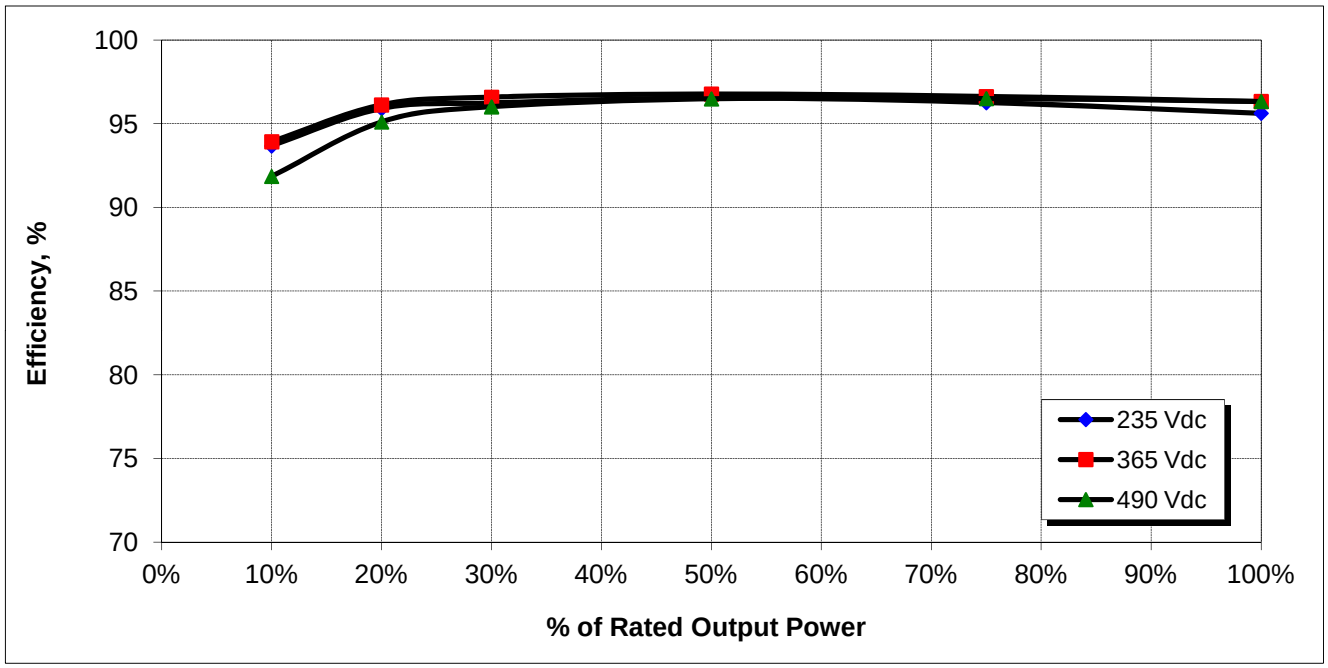
Model #: 2.9HE-t UL

Rated Maximum Continuous Output Power: 2.91 kW Night Tare Loss: -0.92 W

Vmin: 235 Vdc Vnom: 365 Vdc Vmax: 490 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.29	0.58	0.87	1.45	2.18	2.91	Wtd
Vmin	235	93.7	95.9	96.2	96.5	96.3	95.6	96.2
Vnom	365	93.9	96.1	96.6	96.8	96.6	96.3	96.5
Vmax	490	91.9	95.1	96.0	96.5	96.5	96.3	96.2

CEC Efficiency = 96.5%



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	0.2816	234.5	93.692	0.281	234.51	93.65	0.282	234.51	93.678	0.282	234.52	93.681	0.282	234.5	93.699
20%	Vmin	0.6269	234.55	95.907	0.627	234.59	95.91	0.627	234.58	95.91	0.627	234.59	95.895	0.627	234.58	95.904
30%	Vmin	0.9237	234.65	96.237	0.924	234.63	96.243	0.923	234.65	96.224	0.923	234.65	96.236	0.923	234.64	96.236
50%	Vmin	1.4926	234.61	96.512	1.492	234.6	96.5	1.493	234.61	96.537	1.493	234.61	96.541	1.493	234.66	96.542
75%	Vmin	2.0736	234.71	96.274	2.074	234.72	96.261	2.074	234.71	96.261	2.074	234.71	96.265	2.074	234.71	96.263
100%	Vmin	2.8599	234.81	95.642	2.86	234.81	95.618	2.86	234.79	95.627	2.86	234.79	95.62	2.859	234.81	95.587
10%	Vnom	0.27	365.1	93.903	0.27	365.08	93.909	0.27	365.09	93.937	0.27	365.1	93.933	0.27	365.07	93.916
20%	Vnom	0.6227	365.1	96.132	0.623	365.12	96.111	0.623	365.09	96.138	0.623	365.13	96.142	0.622	365.11	96.092
30%	Vnom	0.9249	365.17	96.562	0.925	365.19	96.55	0.925	365.21	96.569	0.926	365.17	96.622	0.925	365.18	96.579
50%	Vnom	1.5459	365.23	96.79	1.545	365.27	96.708	1.545	365.22	96.776	1.545	365.22	96.771	1.546	365.23	96.794
75%	Vnom	2.1075	365.33	96.613	2.109	365.3	96.668	2.108	365.33	96.619	2.108	365.33	96.609	2.108	365.31	96.622
100%	Vnom	2.8745	365.44	96.292	2.875	365.41	96.344	2.875	365.42	96.319	2.876	365.37	96.368	2.874	365.41	96.298
10%	Vmax	0.2625	489.86	91.814	0.263	489.82	91.845	0.263	489.85	91.881	0.262	489.84	91.833	0.262	489.84	91.907
20%	Vmax	0.6123	489.92	95.115	0.612	489.92	95.084	0.613	489.94	95.106	0.612	489.96	95.066	0.613	489.94	95.127
30%	Vmax	0.9258	489.94	95.999	0.926	489.93	96.033	0.926	489.91	96.025	0.925	489.94	95.98	0.926	489.95	95.993
50%	Vmax	1.5686	490.01	96.493	1.568	490.01	96.479	1.569	490.01	96.492	1.568	490.02	96.462	1.569	490.01	96.48
75%	Vmax	2.1586	490.04	96.463	2.161	490.02	96.539	2.159	490.02	96.488	2.159	490.02	96.475	2.16	490.03	96.519
100%	Vmax	2.8846	490.08	96.324	2.884	490.08	96.329	2.882	490.08	96.313	2.878	490.1	96.326	2.884	490.08	96.326

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(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															