Manufacturer: EXELTECH, INC.

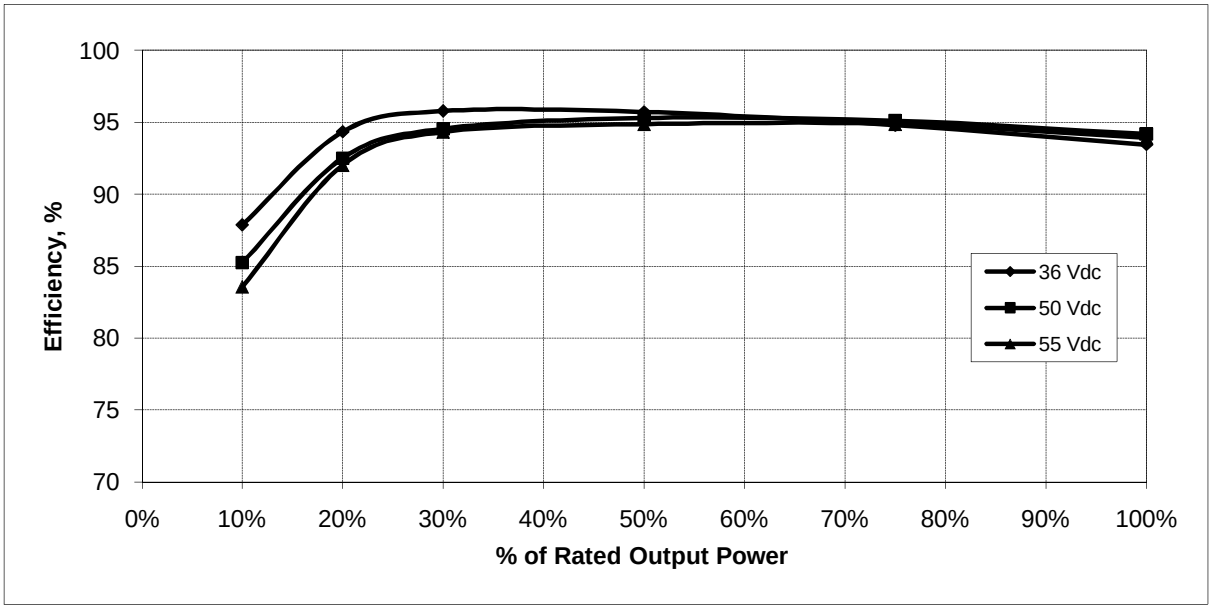
Model #: AC2-1-B-6-5

Rated Maximum Continuous Output Power: 0.212 kW Night Tare Loss: 0.00 W

Vmin: 36 Vdc Vnom: 50 Vdc Vmax: 55 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.02	0.04	0.06	0.11	0.16	0.21	Wtd
Vmin	36	87.9	94.4	95.8	95.7	94.8	93.5	94.8
Vnom	50	85.2	92.5	94.6	95.3	95.1	94.2	94.5
Vmax	55	83.6	92.0	94.3	94.9	94.9	93.9	94.2

CEC Efficiency = 94.5%



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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	0.0169	42.534	87.854	0.017	42.458	87.714	0.017	42.598	87.854	0.017	42.595	87.955	0.017	42.611	87.907
20%	Vmin	0.0379	38.514	94.276	0.038	38.615	94.500	0.038	38.506	94.283	0.038	38.528	94.334	0.038	38.556	94.274
30%	Vmin	0.06	35.913	95.885	0.06	35.838	95.754	0.06	35.795	95.759	0.06	35.818	95.771	0.06	35.88	95.794
50%	Vmin	0.0947	39.772	95.691	0.095	39.537	95.727	0.095	39.672	95.647	0.04	39.555	95.724	0.095	39.597	95.799
75%	Vmin	0.1476	35.956	94.831	0.148	35.825	94.713	0.147	35.765	94.794	0.148	35.797	94.790	0.147	35.761	94.858
100%	Vmin	0.1996	36.247	93.480	0.2	36.26	93.454	0.2	36.272	93.419	0.2	36.251	93.449	0.2	36.222	93.498
10%	Vnom	0.0195	50.291	85.083	0.02	50.296	85.127	0.02	50.269	85.234	0.02	50.278	85.425	0.02	50.282	85.286
20%	Vnom	0.0447	50.281	92.340	0.045	50.274	92.531	0.045	50.182	92.822	0.045	50.272	92.401	0.045	50.282	92.491
30%	Vnom	0.0678	50.288	94.464	0.068	50.257	94.570	0.068	50.264	94.546	0.068	50.27	94.599	0.068	50.283	94.619
50%	Vnom	0.0996	50.266	95.326	0.1	50.255	95.197	0.1	50.169	95.282	0.1	50.262	95.319	0.1	50.212	95.321
75%	Vnom	0.1547	50.216	95.193	0.155	50.255	95.123	0.155	50.229	95.111	0.155	50.24	95.093	0.155	50.257	95.086
100%	Vnom	0.2103	50.171	94.135	0.21	50.197	94.169	0.21	50.206	94.144	0.21	50.191	94.173	0.21	50.192	94.221
10%	Vmax	0.0207	55.171	83.053	0.021	55.146	83.873	0.021	55.061	83.824	0.021	55.144	83.654	0.021	55.154	83.668
20%	Vmax	0.0461	53.148	91.794	0.046	53.101	92.106	0.046	52.993	92.160	0.046	53.033	92.022	0.046	53.027	92.059
30%	Vmax	0.0683	52.004	94.233	0.068	51.48	94.325	0.068	51.646	94.366	0.068	51.665	94.345	0.068	51.598	94.369
50%	Vmax	0.1012	55.192	94.880	0.101	55.159	94.901	0.101	55.142	94.808	0.101	55.144	94.806	0.101	55.121	94.888
75%	Vmax	0.1553	55.159	94.894	0.155	55.141	94.885	0.155	55.161	94.837	0.155	55.12	94.874	0.155	55.105	94.862
100%	Vmax	0.2102	55.127	93.923	0.21	55.245	93.881	0.21	55.044	93.816	0.21	55.118	93.994	0.21	55.164	93.951

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	0.0425	42.49	88.003												
20%	Vmin	0.0387	38.652	94.443												
30%	Vmin	0.0358	35.825	95.804												
50%	Vmin	0.0397	39.659	95.807												
75%	Vmin	0.0357	35.682	94.842												
100%	Vmin	0.0363	36.275	93.425												
10%	Vnom	0.0195	50.277	85.228												
20%	Vnom	0.0447	50.259	92.496												
30%	Vnom	0.0678	50.25	94.537												
50%	Vnom	0.0996	50.271	95.369												
75%	Vnom	0.1547	50.261	95.100												
100%	Vnom	0.2103	50.201	94.185												
10%	Vmax	0.0208	55.176	83.362												
20%	Vmax	0.0462	53.112	91.971												
30%	Vmax	0.0682	51.803	94.348												
50%	Vmax	0.1012	55.157	94.908												
75%	Vmax	0.1554	55.207	94.872												
100%	Vmax	0.2101	55.114	93.910												