Manufacturer: Power Electronics

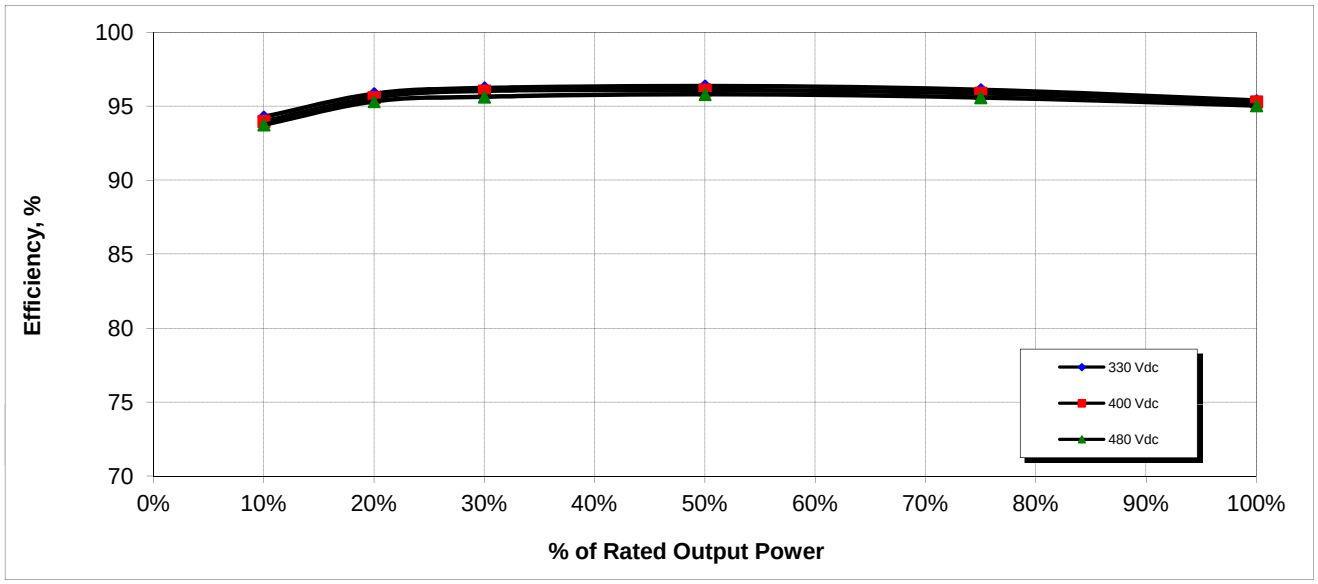
Model #: FS560CU, FS560PU

Rated Maximum Continuous Output Power: 560.00 kW Night Tare Loss: 602 W

Vmin: 330 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		56.00	112.00	168.00	280.00	420.00	560.00	Wtd
Vmin	330	94.28	95.85	96.24	96.37	96.13	95.39	96.07
Vnom	400	93.98	95.59	96.04	96.10	95.88	95.29	95.82
Vmax	480	93.75	95.32	95.63	95.80	95.58	95.04	95.52

CEC Efficiency of Inverter and MV TP1 Transformer = 96.0%



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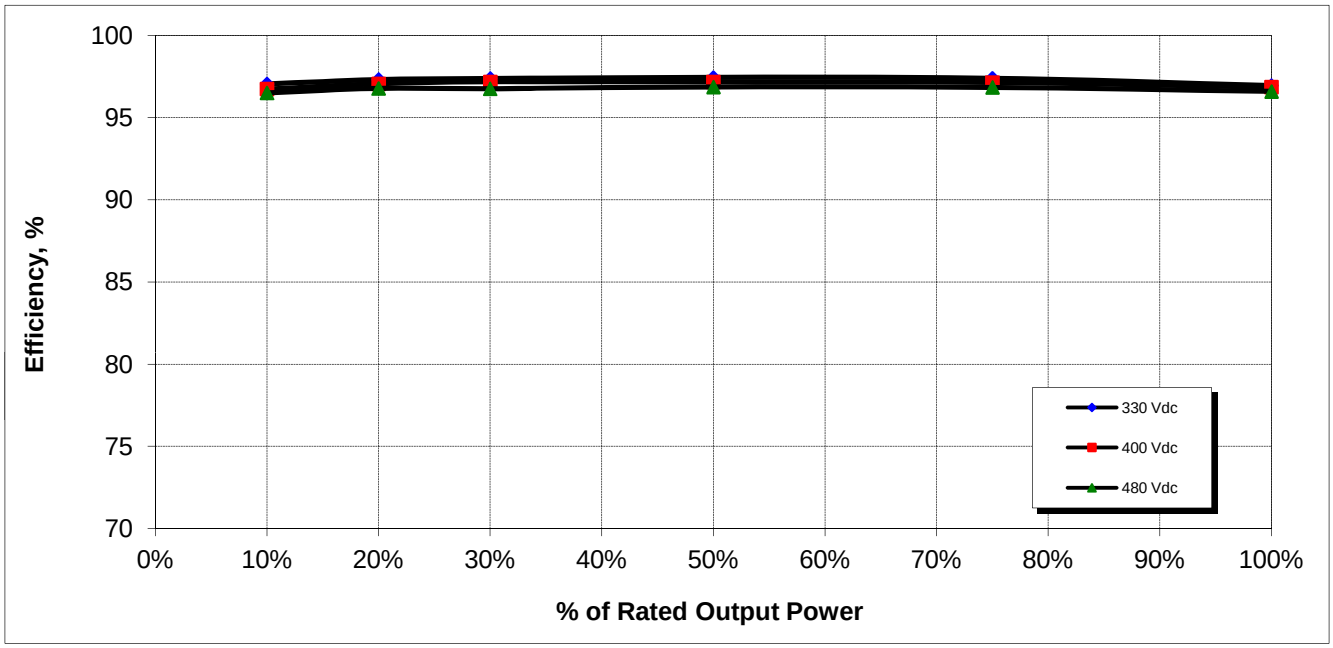
Model #: FS560CU, FS560PU

Rated Maximum Continuous Output Power: 560.0 kW Night Tare Loss: 602 W

Vmin: 330 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		56.00	112.00	168.00	280.00	420.00	560.00	Wtd
Vmin	330	97.05	97.32	97.38	97.45	97.39	96.95	97.36
Vnom	400	96.73	97.06	97.18	97.17	97.14	96.85	97.11
Vmax	480	96.50	96.78	96.76	96.87	96.84	96.59	96.81

Inverter Efficiency only = 97.0%



750kVA TP1 Transformer Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		56.00	112.00	168.00	280.00	420.00	560.00	Wtd
Vmin	330	97.15	98.49	98.83	98.9	98.7	98.39	98.67
Vnom	400	97.15	98.49	98.83	98.9	98.7	98.39	98.67
Vmax	480	97.15	98.49	98.83	98.9	98.7	98.39	98.67

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	55700.400	330.760	97.052	55736.467	330.731	97.046	55777.567	330.728	97.047	224465.440	404.110	97.037	55772.667	330.716	97.041
20%	Vmin	112794.500	330.546	97.315	112812.333	330.531	97.313	112768.333	330.555	97.310	112788.000	330.559	97.324	112746.333	330.558	97.324
30%	Vmin	168973.000	330.379	97.351	169078.667	330.378	97.408	169106.333	330.377	97.406	169108.333	330.381	97.350	169108.333	330.381	97.350
50%	Vmin	281825.500	330.867	97.435	282010.667	330.859	97.449	281986.000	330.878	97.452	281906.667	330.868	97.454	281799.000	330.887	97.446
75%	Vmin	421083.000	330.594	97.394	421474.000	330.601	97.361	421380.333	330.580	97.399	421513.333	330.592	97.378	421411.333	330.578	97.405
100%	Vmin	559526.500	330.925	97.101	559835.333	330.909	97.098	560135.333	330.915	97.111	560312.000	330.932	97.118	560374.000	330.895	97.105
10%	Vnom	55690.500	400.073	96.742	55655.967	400.074	96.745	55602.233	400.107	96.737	55612.433	400.111	96.733	55615.333	400.094	96.738
20%	Vnom	112544.000	400.911	97.057	112440.000	400.916	97.063	112429.667	400.931	97.059	112456.667	400.964	97.025	112418.667	400.971	97.062
30%	Vnom	168730.500	400.790	97.186	168689.333	400.785	97.180	168622.000	400.781	97.179	168699.000	400.794	97.174	168679.000	400.784	97.179
50%	Vnom	282164.000	400.395	97.194	278992.333	400.416	97.129	280812.667	400.373	97.211	280860.000	400.381	97.151	280999.000	400.382	97.111
75%	Vnom	422104.000	400.058	97.097	420775.667	400.134	97.146	420743.667	400.151	97.117	421042.000	400.138	97.166	420783.000	400.160	97.176
100%	Vnom	560256.500	400.426	96.832	559780.000	400.479	96.827	560103.667	400.477	96.815	560168.667	400.475	96.904	560537.333	400.480	96.846
10%	Vmax	55655.200	480.615	96.481	55617.200	480.626	96.492	55651.367	480.612	96.491	55630.700	480.631	96.474	55652.133	480.632	96.464
20%	Vmax	112416.500	480.511	96.788	112392.667	480.468	96.773	112428.667	480.457	96.752	112417.667	480.464	96.788	112383.333	480.467	96.790
30%	Vmax	168963.500	480.318	96.879	168896.667	480.316	96.583	168649.667	480.343	96.895	168639.000	480.364	96.864	168635.333	480.359	96.895
50%	Vmax	281270.500	480.006	96.943	281223.333	480.007	96.914	281297.667	479.998	96.898	281295.000	479.975	96.738	281349.333	480.020	96.925
75%	Vmax	421616.500	480.835	96.872	421864.667	480.799	96.922	421615.000	480.831	96.793	421332.333	480.803	96.702	421050.333	480.792	96.828
100%	Vmax	558942.500	480.307	96.635	559568.000	480.257	96.616	559988.667	480.286	96.590	559109.000	480.285	96.475	559645.333	480.290	96.389

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	55772.667	330.716	97.041	55758.200	330.711	97.052									
20%	Vmin	112813.333	330.566	97.301	112785.000	330.567	97.326									
30%	Vmin	169170.667	330.383	97.408	169179.000	330.375	97.379									
50%	Vmin	281797.000	330.919	97.427	281843.000	330.926	97.454									
75%	Vmin	421513.333	330.556	97.405	421406.000	330.577	97.406									
100%	Vmin	560585.333	330.894	97.091	560598.000	330.909	97.121									
10%	Vnom	55601.033	400.092	96.729	55610.200	400.116	96.720									
20%	Vnom	112345.333	400.934	97.060	112407.000	400.921	97.065									
30%	Vnom	168589.667	400.743	97.153	168634.000	400.706	97.178									
50%	Vnom	280992.000	400.368	97.176	281053.000	400.394	97.211									
75%	Vnom	421047.667	400.159	97.091	420983.000	400.163	97.178									
100%	Vnom	560353.333	400.493	96.833	560284.000	400.497	96.906									
10%	Vmax	55634.967	480.600	96.466	55675.300	480.594	96.485									
20%	Vmax	112430.000	480.513	96.783	112440.000	480.513	96.772									
30%	Vmax	168716.667	480.317	96.315	168746.000	480.334	96.896									
50%	Vmax	281467.000	480.000	96.789	281668.000	480.030	96.865									
75%	Vmax	421142.667	480.806	96.900	421235.000	480.794	96.878									
100%	Vmax	559795.667	480.328	96.548	559516.000	480.303	96.584									