Manufacturer: Fronius International GmbH

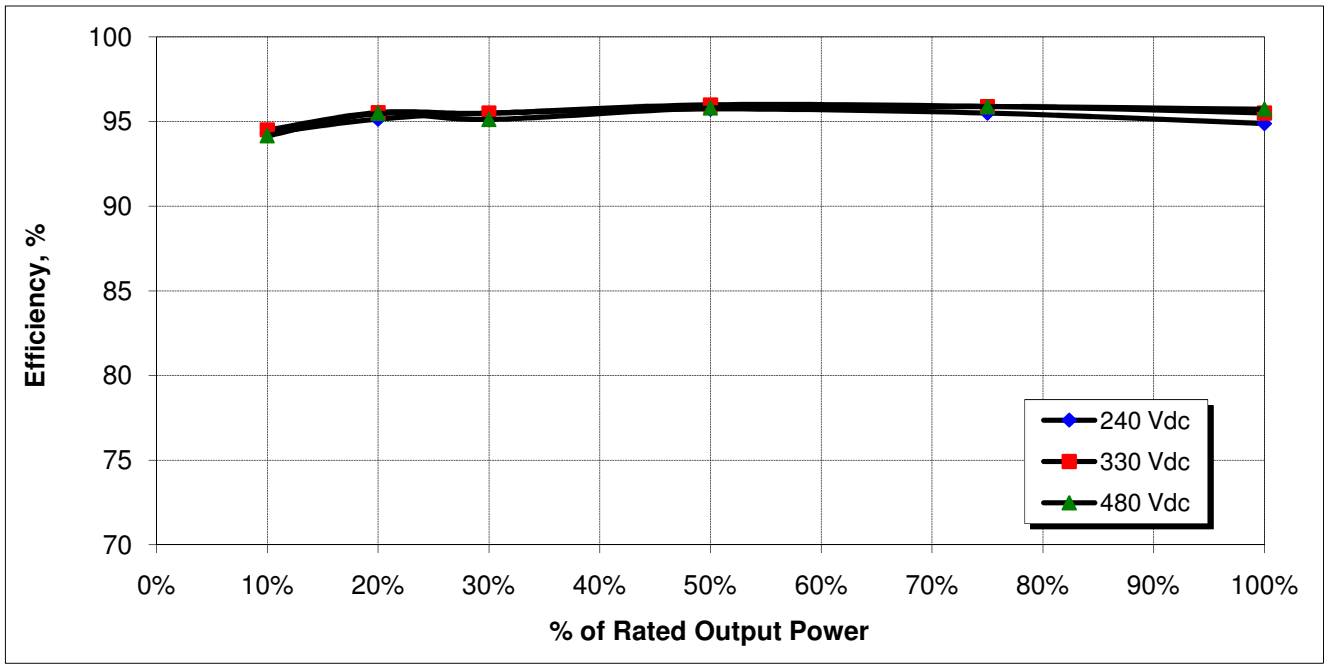
Model #: Fronius CL 36.0 WYE277

Rated Maximum Continuous Output Power: 36.00 kW Night Tare Loss: 4.03 W

Vmin: 240 Vdc Vnom: 330 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		3.60	7.20	10.80	18.00	27.00	36.00	Wtd
Vmin	240	94.3	95.1	95.5	95.7	95.5	94.9	95.4
Vnom	330	94.5	95.5	95.5	96.0	95.9	95.5	95.8
Vmax	480	94.2	95.5	95.1	95.8	95.9	95.7	95.7

CEC Efficiency = 95.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	3536.1	239.57	94.341	3538	239.57	94.307	3537	239.57	94.292	3538	239.57	94.335	3539	239.57	94.351
20%	Vmin	7791.3	239.37	95.129	7789	239.38	95.140	7796	239.39	95.197	7788	239.36	95.097	7793	239.38	95.144
30%	Vmin	11561	239.68	95.475	11561	239.68	95.473	11560	239.68	95.488	11564	239.69	95.485	11562	239.7	95.489
50%	Vmin	18139	239.71	95.744	18138	239.69	95.741	18137	239.72	95.736	18137	239.7	95.739	18135	239.67	95.728
75%	Vmin	25610	239.63	95.501	25612	239.62	95.502	25605	239.6	95.480	25598	239.61	95.466	25608	239.61	95.501
100%	Vmin	34566	239.59	94.879	34565	239.58	94.881	34566	239.58	94.874	34567	239.57	94.881	34569	239.57	94.884
10%	Vnom	3530.4	329.93	94.537	3530	329.93	94.475	3530	329.94	94.488	3531	329.94	94.553	3527	329.91	94.505
20%	Vnom	7811.9	329.68	95.539	7812	329.68	95.522	7811	329.67	95.550	7813	329.67	95.505	7813	329.68	95.533
30%	Vnom	11555	329.81	95.503	11557	329.82	95.509	11556	329.82	95.508	11556	329.83	95.487	11557	329.83	95.486
50%	Vnom	18184	329.85	95.980	18185	329.84	95.965	18189	329.84	96.006	18187	329.85	95.986	18187	329.84	95.970
75%	Vnom	25751	329.7	95.898	25749	329.7	95.893	25745	329.7	95.885	25744	329.71	95.869	25745	329.71	95.871
100%	Vnom	34453	329.64	95.503	34454	329.64	95.500	34452	329.64	95.502	34455	329.64	95.512	34457	329.64	95.507
10%	Vmax	3569.2	479.7	94.173	3569	479.7	94.190	3567	479.7	94.114	3567	479.7	94.140	3566	479.7	94.139
20%	Vmax	7801.1	479.64	95.411	7801	479.65	95.470	7803	479.64	95.484	7801	479.66	95.490	7800	479.64	95.438
30%	Vmax	11503	479.87	95.119	11510	479.86	95.129	11504	479.85	95.115	11498	479.86	95.091	11508	479.85	95.095
50%	Vmax	19700	479.83	95.808	19690	479.83	95.764	19693	479.84	95.779	19698	479.85	95.777	19697	479.84	95.781
75%	Vmax	25891	479.78	95.870	25898	479.78	95.900	25884	479.78	95.882	25885	479.78	95.867	25889	479.78	95.868
100%	Vmax	34575	479.73	95.710	34587	479.72	95.726	34586	479.73	95.735	34582	479.73	95.739	34578	479.73	95.722

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	3541.3	239.58	94.322	3538	239.58	94.335									
20%	Vmin	7789.6	239.36	95.127	7787	239.37	95.118									
30%	Vmin	11561	239.68	95.475	11560	239.7	95.474									
50%	Vmin	18138	239.71	95.736	18136	239.73	95.728									
75%	Vmin	25610	239.61	95.507	25607	239.62	95.506									
100%	Vmin	34568	239.57	94.885	34567	239.57	94.881									
10%	Vnom	3531.7	329.93	94.492	3528	329.91	94.495									
20%	Vnom	7816.5	329.67	95.529	7813	329.68	95.515									
30%	Vnom	11558	329.83	95.501	11559	329.82	95.474									
50%	Vnom	18187	329.82	95.975	18184	329.83	95.945									
75%	Vnom	25746	329.71	95.877	25754	329.71	95.903									
100%	Vnom	34454	329.65	95.510	34448	329.65	95.504									
10%	Vmax	3563.4	479.7	94.083	3564	479.7	94.221									
20%	Vmax	7802.1	479.63	95.463	7798	479.65	95.491									
30%	Vmax	11507	479.85	95.123	11509	479.87	95.134									
50%	Vmax	19703	479.85	95.789	19696	479.84	95.800									
75%	Vmax	25888	479.79	95.871	25884	479.79	95.869									
100%	Vmax	34584	479.73	95.742	34574	479.73	95.713									