Manufacturer: Fronius International GmbH

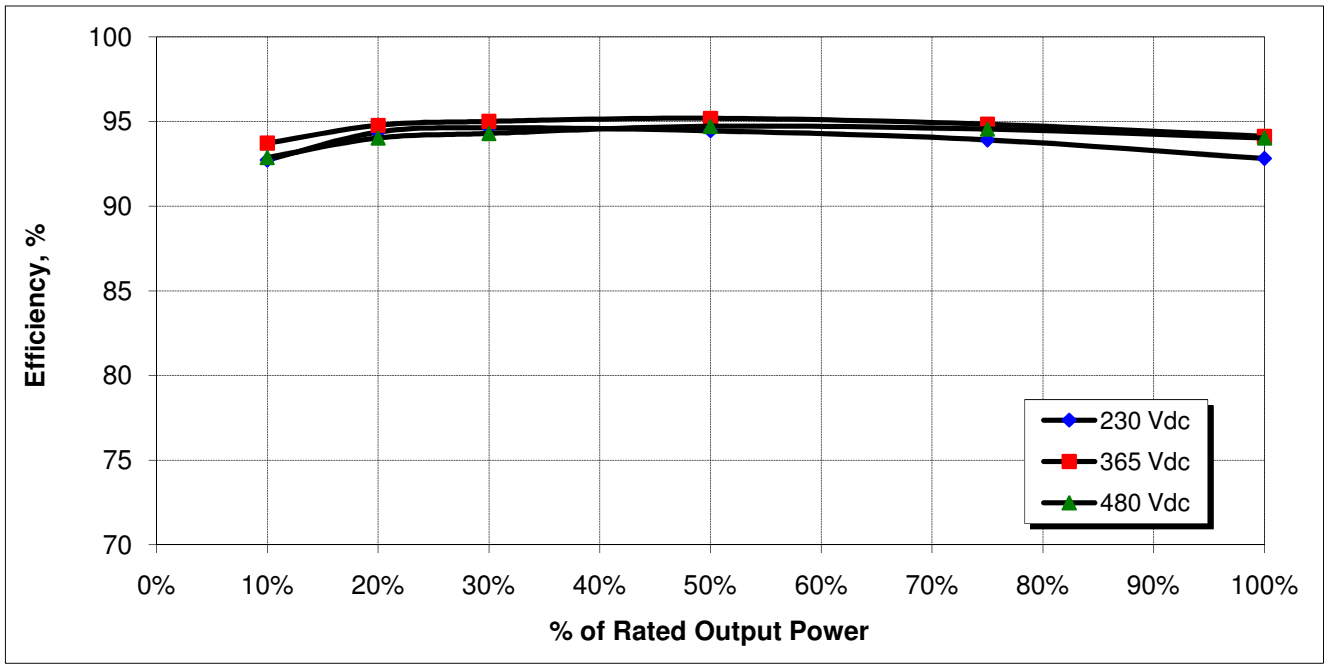
Model #: Fronius CL 44.4 Delta (208 V)

Rated Maximum Continuous Output Power: 44.40 kW Night Tare Loss: 3.14 W

Vmin: 230 Vdc Vnom: 365 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		4.44	8.88	13.32	22.20	33.30	44.40	Wtd
Vmin	230	92.7	94.4	94.6	94.4	93.9	92.8	94.0
Vnom	365	93.7	94.8	95.0	95.2	94.8	94.1	94.9
Vmax	480	92.9	94.0	94.3	94.7	94.5	94.0	94.4

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	4393.4	228.75	92.716	4391	228.75	92.694	4391	228.75	92.739	4389	228.75	92.727	4392	228.75	92.747
20%	Vmin	9749	228.99	94.388	9749	228.99	94.379	9747	229	94.366	9752	228.99	94.368	9751	228.99	94.352
30%	Vmin	14382	229.03	94.637	14384	229.03	94.621	14383	229.03	94.631	14382	229.03	94.621	14380	229.03	94.625
50%	Vmin	24391	229.07	94.476	24391	229.07	94.474	24389	229.07	94.463	24380	229.07	94.429	24381	229.07	94.435
75%	Vmin	31130	228.92	93.912	31125	228.91	93.895	31141	228.92	93.934	31138	228.91	93.931	31138	228.92	93.930
100%	Vmin	42213	228.93	92.790	42228	228.95	92.810	42216	228.92	92.791	42228	228.95	92.816	42239	228.91	92.836
10%	Vnom	4408.8	364.8	93.731	4405	364.8	93.701	4403	364.8	93.697	4409	364.8	93.726	4408	364.8	93.708
20%	Vnom	9705.3	364.87	94.806	9696	364.85	94.737	9696	364.88	94.762	9696	364.87	94.747	9700	364.86	94.784
30%	Vnom	14429	364.82	95.020	14426	364.83	95.007	14430	364.81	95.005	14432	364.84	94.994	14430	364.81	95.015
50%	Vnom	24379	364.86	95.197	24377	364.86	95.195	24379	364.85	95.202	24378	364.85	95.198	24376	364.86	95.195
75%	Vnom	31162	364.83	94.847	31164	364.83	94.852	31164	364.84	94.842	31163	364.84	94.856	31159	364.82	94.835
100%	Vnom	42318	364.85	94.133	42311	364.83	94.109	42311	364.86	94.118	42307	364.82	94.117	42325	364.85	94.151
10%	Vmax	4391.4	480.19	92.918	4392	480.19	92.856	4389	480.19	92.876	4388	480.18	92.895	4391	480.19	92.854
20%	Vmax	9629.4	480.32	94.060	9623	480.32	94.062	9616	480.33	93.964	9614	480.33	93.981	9617	480.32	93.975
30%	Vmax	14389	480.4	94.306	14390	480.39	94.314	14389	480.4	94.284	14389	480.4	94.279	14390	480.39	94.280
50%	Vmax	24380	480.46	94.722	24382	480.46	94.731	24378	480.46	94.724	24380	480.45	94.732	24373	480.46	94.702
75%	Vmax	31268	480.44	94.546	31267	480.44	94.550	31273	480.44	94.544	31275	480.44	94.549	31277	480.44	94.556
100%	Vmax	42300	480.42	94.030	42308	480.41	94.029	42303	480.42	94.021	42287	480.42	94.012	42297	480.43	94.020

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	4393.9	228.75	92.717	4393	228.75	92.737									
20%	Vmin	9749.4	228.99	94.358	9748	228.99	94.362									
30%	Vmin	14380	229.03	94.629	14381	229.03	94.626									
50%	Vmin	24377	229.06	94.422	24378	229.07	94.437									
75%	Vmin	31128	228.91	93.898	31129	228.93	93.905									
100%	Vmin	42248	228.95	92.860	42223	228.92	92.798									
10%	Vnom	4409	364.8	93.750	4406	364.8	93.781									
20%	Vnom	9706	364.87	94.811	9700	364.87	94.781									
30%	Vnom	14429	364.84	94.989	14428	364.81	95.008									
50%	Vnom	24374	364.86	95.173	24373	364.85	95.172									
75%	Vnom	31160	364.83	94.842	31158	364.83	94.843									
100%	Vnom	42317	364.83	94.132	42310	364.85	94.116									
10%	Vmax	4390.1	480.19	92.858	4393	480.19	92.820									
20%	Vmax	9625.6	480.33	94.059	9623	480.32	94.037									
30%	Vmax	14389	480.39	94.280	14391	480.4	94.302									
50%	Vmax	24371	480.45	94.696	24372	480.46	94.701									
75%	Vmax	31272	480.44	94.552	31266	480.44	94.550									
100%	Vmax	42300	480.42	94.015	42312	480.42	94.028									