Manufacturer: Fronius International GmbH

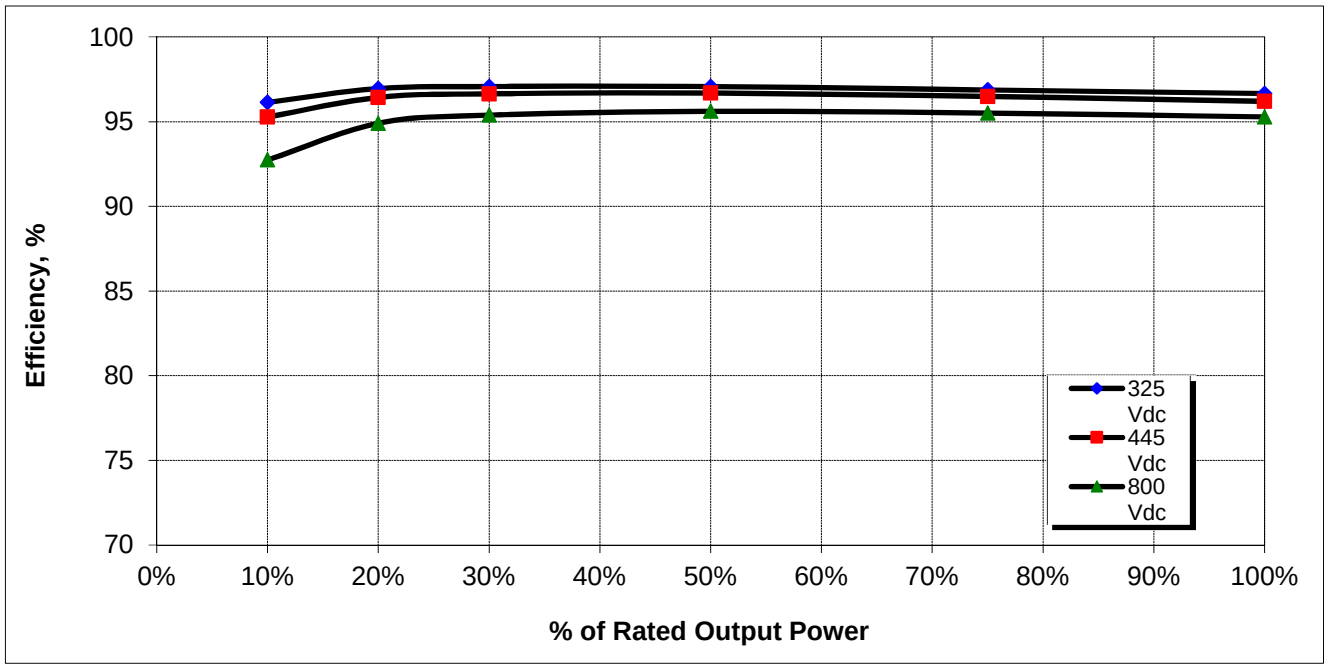
Model #: Fronius Symo 15.0-3 208 @ 208Vac

Rated Maximum Continuous Output Power: 15.00 kW Night Tare Loss: 0.43 W

Vmin: 325 Vdc Vnom: 445 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.50	3.00	4.50	7.50	11.25	15.00	Wtd
Vmin	325	96.1	97.0	97.1	97.1	96.9	96.7	96.9
Vnom	445	95.3	96.4	96.6	96.7	96.5	96.2	96.5
Vmax	800	92.7	94.9	95.4	95.6	95.5	95.3	95.4

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	1492.0	325.3	96.1	1492.0	325.3	96.1	1492.5	325.4	96.1	1492.1	325.4	96.1	1492.4	325.3	96.1
20%	Vmin	3297.7	325.4	97.0	3297.8	325.4	97.0	3297.7	325.4	97.0	3298.0	325.4	97.0	3298.1	325.4	97.0
30%	Vmin	4866.8	325.5	97.1	4866.5	325.5	97.1	4866.4	325.5	97.1	4866.2	325.5	97.1	4866.8	325.5	97.1
50%	Vmin	6756.6	325.6	97.1	6756.3	325.6	97.1	6756.9	325.6	97.1	6757.0	325.6	97.1	6757.0	325.6	97.1
75%	Vmin	10511.0	325.8	96.9	10511.0	325.8	96.9	10514.7	326.0	96.9	10509.3	325.8	96.9	10509.0	325.9	96.9
100%	Vmin	14273.0	327.6	96.7	14263.3	327.7	96.7	14267.0	327.6	96.7	14272.3	327.7	96.7	14271.0	327.7	96.7
10%	Vnom	1495.9	444.4	95.3	1495.4	444.4	95.3	1495.9	444.4	95.3	1496.2	444.4	95.3	1496.7	444.4	95.3
20%	Vnom	3286.7	444.4	96.4	3286.9	444.4	96.4	3286.6	444.4	96.4	3287.1	444.4	96.4	3287.5	444.4	96.4
30%	Vnom	4864.7	444.5	96.6	4864.5	444.5	96.6	4864.5	444.5	96.6	4864.9	444.5	96.6	4865.1	444.5	96.6
50%	Vnom	6759.7	444.5	96.7	6759.9	444.5	96.7	6759.4	444.5	96.7	6759.5	444.5	96.7	6759.3	444.5	96.7
75%	Vnom	10503.7	444.6	96.5	10503.7	444.7	96.5	10503.3	444.7	96.5	10502.7	444.7	96.5	10503.0	444.7	96.5
100%	Vnom	14257.0	444.8	96.2	14257.0	444.7	96.2	14259.0	444.9	96.2	14255.0	444.7	96.2	14261.0	444.9	96.2
10%	Vmax	1498.1	799.1	92.7	1498.7	799.1	92.7	1499.4	799.1	92.7	1499.0	799.1	92.7	1498.5	799.1	92.7
20%	Vmax	3284.2	799.1	94.9	3284.0	799.1	94.9	3283.8	799.1	94.9	3283.8	799.1	94.9	3284.5	799.1	94.9
30%	Vmax	4855.5	799.1	95.4	4854.8	799.1	95.4	4854.9	799.1	95.4	4856.4	799.2	95.4	4855.5	799.2	95.4
50%	Vmax	8234.4	799.1	95.6	8233.5	799.2	95.6	8232.1	799.2	95.6	8231.3	799.2	95.6	8230.9	799.2	95.6
75%	Vmax	10508.7	799.3	95.5	10508.0	799.3	95.5	10508.7	799.3	95.5	10508.7	799.2	95.5	10510.0	799.3	95.5
100%	Vmax	14256.3	799.3	95.3	14257.0	799.3	95.3	14256.7	799.3	95.3	14256.7	799.3	95.3	14256.0	799.3	95.3

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	1492.8	325.3	96.1	1493.0	325.3	96.1									
20%	Vmin	3297.9	325.4	97.0	3297.9	325.4	97.0									
30%	Vmin	4866.7	325.5	97.1	4866.2	325.5	97.1									
50%	Vmin	6757.0	325.6	97.1	6756.7	325.6	97.1									
75%	Vmin	10509.3	325.8	96.9	10509.3	325.9	96.9									
100%	Vmin	14265.0	327.6	96.7	14276.3	327.8	96.7									
10%	Vnom	1497.2	444.4	95.3	1497.2	444.4	95.3									
20%	Vnom	3286.7	444.4	96.4	3286.6	444.4	96.4									
30%	Vnom	4864.2	444.5	96.6	4864.1	444.5	96.6									
50%	Vnom	6759.2	444.5	96.7	6758.7	444.5	96.7									
75%	Vnom	10502.3	444.6	96.5	10502.7	444.7	96.5									
100%	Vnom	14255.0	444.7	96.2	14260.7	444.8	96.2									
10%	Vmax	1498.5	799.1	92.7	1499.1	799.1	92.8									
20%	Vmax	3283.2	799.1	94.9	3283.2	799.1	94.9									
30%	Vmax	4856.3	799.2	95.4	4855.3	799.2	95.4									
50%	Vmax	8230.2	799.2	95.6	8230.1	799.2	95.6									
75%	Vmax	10510.0	799.3	95.5	10509.7	799.3	95.5									
100%	Vmax	14256.3	799.3	95.3	14255.3	799.3	95.3									