Manufacturer: SMA America

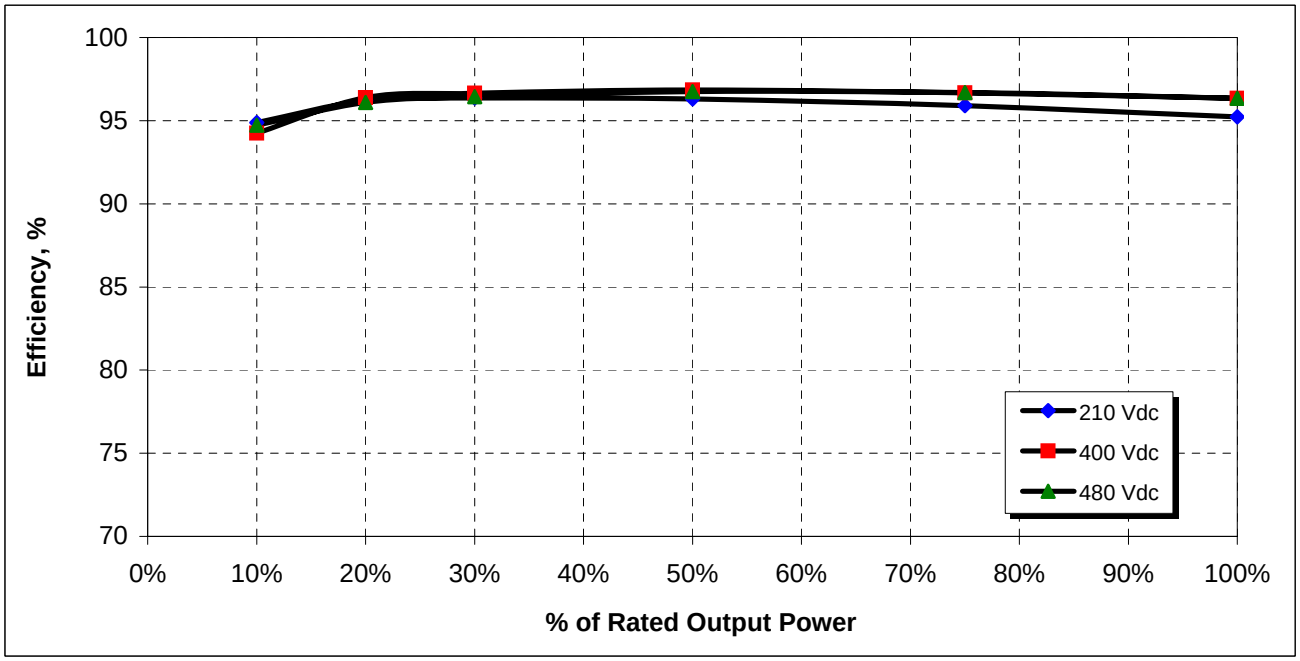
Model #: SB7700TL-US-22 (208V)

Rated Maximum Continuous Output Power: 6.732 kW Night Tare Loss: 0.39 W

Vmin: 210 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.67	1.35	2.02	3.37	5.05	6.73	Wtd
Vmin	210	94.88	96.21	96.37	96.30	95.90	95.23	95.98
Vnom	400	94.25	96.38	96.66	96.84	96.67	96.35	96.58
Vmax	480	94.73	96.10	96.44	96.75	96.70	96.35	96.55

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	663.80	230.53	94.88	663.60	230.50	94.83	663.30	234.33	94.88	664.10	229.01	94.87	664.20	229.02	94.91
20%	Vmin	1478.60	231.21	96.21	1477.00	229.82	96.19	1478.80	230.40	96.21	1478.70	230.40	96.23	1478.80	230.38	96.21
30%	Vmin	2176.70	238.19	96.36	2188.80	229.65	96.37	2184.00	236.42	96.38	2191.60	233.41	96.35	2191.40	233.95	96.37
50%	Vmin	3109.10	234.25	96.30	3108.80	234.59	96.33	3111.80	232.63	96.28	3113.20	231.29	96.30	3111.70	231.15	96.28
75%	Vmin	4770.00	232.85	95.90	4770.00	232.81	95.90	4758.00	230.09	95.90	4769.00	233.54	95.90	4769.00	232.87	95.90
100%	Vmin	6350.50	219.54	95.22	6350.70	219.55	95.23	6351.60	219.55	95.23	6350.70	219.54	95.23	6350.70	219.55	95.22
10%	Vnom	656.90	411.37	94.24	659.70	405.85	94.40	655.10	410.75	93.88	659.70	401.01	94.75	655.00	407.01	93.95
20%	Vnom	1484.00	410.45	96.37	1481.80	409.81	96.28	1484.10	408.35	96.39	1483.90	414.49	96.54	1446.00	407.75	96.32
30%	Vnom	2194.40	419.80	96.68	2199.80	417.16	96.63	2205.60	414.66	96.70	2199.70	418.13	96.68	2200.70	417.17	96.63
50%	Vnom	3246.80	406.43	96.83	3252.90	413.20	96.84	3179.30	406.02	96.80	3181.50	405.33	96.86	3178.80	402.31	96.89
75%	Vnom	4781.00	416.49	96.64	4784.00	410.34	96.64	4786.00	413.42	96.69	4787.00	412.67	96.65	4790.00	411.33	96.71
100%	Vnom	6435.00	410.03	96.34	6433.00	412.73	96.34	6434.00	409.40	96.35	6435.00	410.02	96.36	6436.00	410.03	96.34
10%	Vmax	645.20	471.57	94.55	643.50	479.13	94.83	646.90	473.34	94.94	613.10	470.40	94.86	609.60	467.56	94.49
20%	Vmax	1458.30	487.58	96.05	1469.10	473.41	96.20	1465.90	470.18	96.20	1463.00	472.70	95.93	1467.70	481.68	96.13
30%	Vmax	2143.50	473.40	96.44	2142.00	476.85	96.37	2144.30	474.04	96.44	2145.80	472.47	96.45	2148.90	468.81	96.49
50%	Vmax	3108.50	469.53	96.81	3107.60	473.31	96.79	3102.90	471.26	96.64	3105.00	471.03	96.71	3107.70	474.57	96.79
75%	Vmax	4841.00	480.09	97.02	4786.00	477.79	96.64	4782.00	472.11	96.62	4783.00	474.82	96.61	4779.00	481.66	96.60
100%	Vmax	6485.00	474.33	96.31	6421.00	482.44	96.54	6419.00	476.68	96.26	6422.00	474.44	96.35	6421.00	478.22	96.32

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															