Manufacturer: SMA Solar Technology AG

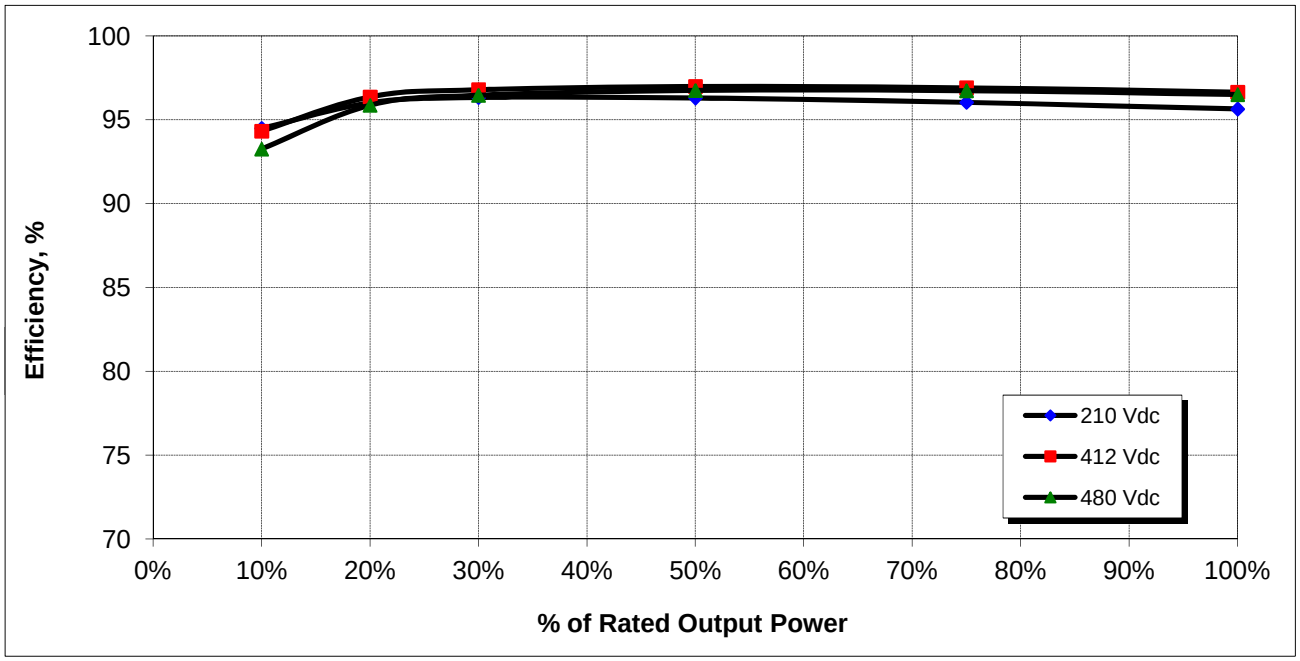
Model #: SB6000TL-US-22 (208V)

Rated Maximum Continuous Output Power: 5.20 kW Night Tare Loss: 0.51 W

Vmin: 210 Vdc Vnom: 412 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.52	1.04	1.56	2.60	3.90	5.20	Wtd
Vmin	210	94.49	96.02	96.33	96.30	96.04	95.64	96.05
Vnom	412	94.32	96.36	96.79	96.99	96.91	96.65	96.77
Vmax	480	93.25	95.86	96.46	96.75	96.74	96.51	96.51

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	509.66	212.46	94.49	509.37	212.46	94.49	509.79	212.47	94.48	509.54	212.47	94.50	509.23	212.49	94.49
20%	Vmin	1142.90	212.56	96.03	1142.90	212.57	96.02	1142.70	212.56	96.02	1142.90	212.56	96.01	1142.60	212.54	96.02
30%	Vmin	1692.30	212.50	96.33	1693.00	212.52	96.33	1692.50	212.52	96.34	1692.30	212.51	96.33	1692.00	212.52	96.34
50%	Vmin	2398.10	212.52	96.30	2398.40	212.52	96.30	2398.00	212.52	96.30	2398.20	212.53	96.31	2397.70	212.53	96.30
75%	Vmin	3736.80	212.44	96.04	3726.80	212.43	96.04	3726.50	212.43	96.05	3726.00	212.43	96.04	3726.50	212.42	96.04
100%	Vmin	4962.20	212.63	95.64	4962.50	212.64	95.64	4961.80	212.64	95.64	4962.20	212.64	95.65	4962.10	212.62	95.64
10%	Vnom	505.33	411.45	94.34	505.32	411.45	94.32	505.58	411.43	94.32	505.32	411.45	94.31	505.84	411.46	94.33
20%	Vnom	1142.30	411.60	96.36	1141.10	411.58	96.36	1140.80	411.53	96.37	1140.40	411.55	96.37	1142.50	411.60	96.36
30%	Vnom	1702.80	411.62	96.79	1703.40	411.63	96.79	1702.00	411.63	96.79	1702.90	411.64	96.79	1703.10	411.63	96.80
50%	Vnom	2652.20	411.72	96.99	2651.70	411.72	96.98	2650.40	411.71	96.99	2651.30	411.70	96.99	2649.50	411.71	96.99
75%	Vnom	3688.60	411.84	96.91	3688.50	411.85	96.91	3689.60	411.83	96.91	3689.00	411.84	96.91	3689.20	411.85	96.91
100%	Vnom	4996.40	411.90	96.65	4996.80	411.90	96.65	4997.00	411.89	96.65	4996.70	411.90	96.65	4997.30	411.91	96.65
10%	Vmax	495.09	481.39	93.24	497.15	481.40	93.26	494.41	481.40	93.25	495.65	481.39	93.26	495.38	481.39	93.26
20%	Vmax	1136.90	481.53	95.87	1137.50	481.48	95.87	1136.70	481.54	95.86	1136.90	481.54	95.87	1135.40	481.53	95.87
30%	Vmax	1697.80	481.45	96.46	1692.20	481.46	96.46	1692.40	481.49	96.46	1692.00	481.46	96.48	1691.80	481.47	96.46
50%	Vmax	2680.60	481.59	96.74	2580.00	481.60	96.76	2737.30	481.62	96.75	2736.60	481.61	96.75	2735.50	481.62	96.75
75%	Vmax	3688.50	481.72	96.74	3687.00	481.73	96.74	3687.30	481.70	96.74	3687.10	481.71	96.74	3687.80	481.69	96.74
100%	Vmax	4979.10	481.87	96.50	4978.10	481.85	96.50	4979.30	481.85	96.50	4979.70	481.85	96.51	4980.40	481.87	96.50

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															