Manufacturer: SMA Technologie AG

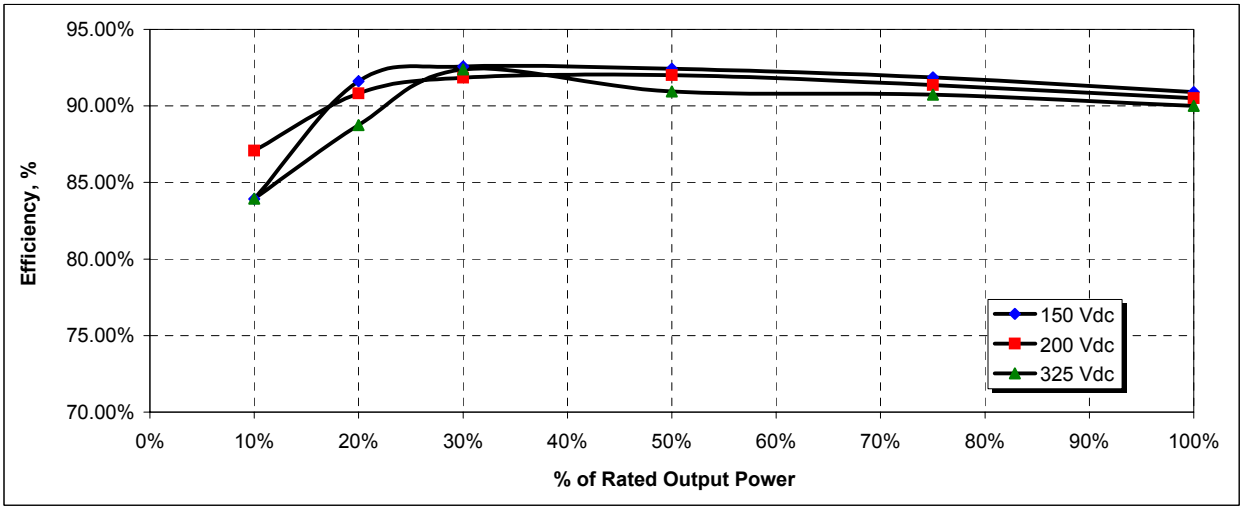
Model #: SB1100U

Rated Maximum Continuous Output Power: 1.1 kW Night Tare Loss: 0.13 W

Vmin: 150 Vdc Vnom: 200 Vdc Vmax: 325 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.11	0.22	0.33	0.55	0.83	1.10	Wtd
Vmin	150	83.92%	91.62%	92.57%	92.42%	91.86%	90.91%	91.68%
Vnom	200	87.08%	90.82%	91.84%	92.02%	91.37%	90.50%	91.32%
Vmax	325	83.95%	88.75%	92.38%	90.95%	90.75%	90.01%	90.58%

CEC Efficiency = 91.0%



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	111	150	85.46%	113	154	81.88%	111	154	81.02%	116	154	84.61%	112	154	83.21%
20%	Vmin	224	150	91.49%	223	150	91.00%	224	150	91.80%	225	150	92.17%	224	150	91.62%
30%	Vmin	335	150	92.35%	336	150	92.90%	336	150	92.63%	334	150	92.40%	335	150	92.55%
50%	Vmin	546	150	92.40%	547	150	92.43%	547	150	92.39%	547	150	92.41%	547	150	92.47%
75%	Vmin	815	150	91.96%	814	150	91.80%	814	150	91.76%	815	150	91.86%	815	150	91.91%
100%	Vmin	1,095	153	90.89%	1,087	153	90.90%	1,093	153	90.91%	1,094	153	90.97%	1,094	153	90.85%
10%	Vnom	113	199	86.92%	114	199	87.69%	113	199	86.92%	113	199	86.92%	113	199	86.92%
20%	Vnom	222	198	90.78%	222	198	90.78%	222	198	90.81%	223	198	91.06%	223	198	90.67%
30%	Vnom	343	198	91.67%	344	198	91.77%	344	198	91.93%	344	198	91.94%	344	198	91.91%
50%	Vnom	543	198	91.95%	544	198	92.04%	544	198	92.14%	543	198	92.04%	543	198	91.91%
75%	Vnom	824	198	91.34%	825	198	91.38%	825	198	91.46%	824	198	91.32%	825	198	91.34%
100%	Vnom	1,103	205	90.60%	1,103	205	90.43%	1,104	205	90.50%	1,103	205	90.46%	1,102	205	90.51%
10%	Vmax	111	322	84.52%	111	322	84.09%	111	322	84.03%	109	322	83.13%	110	322	83.95%
20%	Vmax	222	322	89.00%	221	322	88.43%	221	322	88.57%	221	322	88.77%	221	322	88.81%
30%	Vmax	332	324	90.01%	332	324	90.11%	333	324	90.04%	332	324	90.15%	374	324	101.60%
50%	Vmax	542	321	90.96%	542	321	91.01%	542	321	90.97%	542	321	90.99%	542	321	90.81%
75%	Vmax	820	321	90.76%	820	321	90.71%	820	321	90.82%	820	321	90.71%	820	321	90.73%
100%	Vmax	1,124	326	90.26%	1,121	326	89.87%	1,123	326	90.08%	1,121	326	89.92%	1,121	326	89.93%