Manufacturer: SMA Technologies

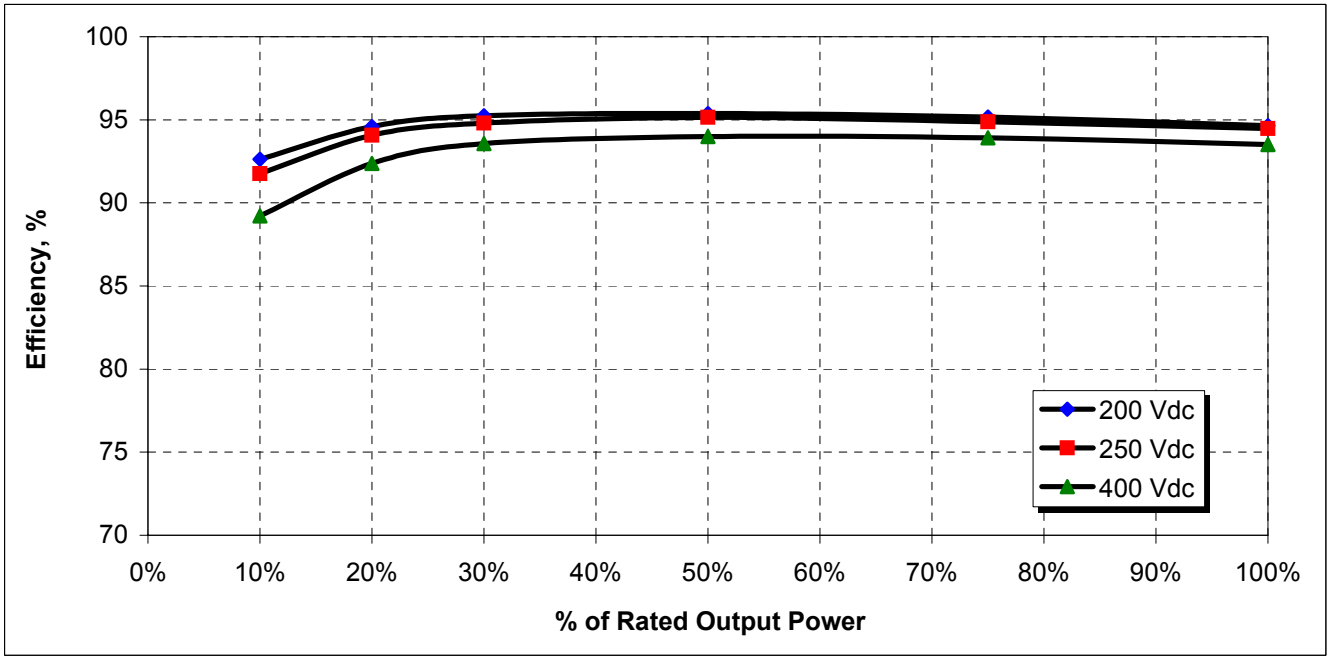
Model #: SB3300U

Rated Maximum Continuous Output Power: 3300.00 kW Night Tare Loss: 0.16 W

Vmin: 200 Vdc Vnom: 250 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		330.00	660.00	990.00	1650.00	2475.00	3300.00	Wtd
Vmin	200	92.6	94.6	95.2	95.4	95.2	94.6	95.064
Vnom	250	91.8	94.1	94.8	95.1	94.9	94.5	94.738
Vmax	400	89.2	92.4	93.6	94.0	93.9	93.5	93.607

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	388	205.70	92.649	388	205.70	92.548	388	205.70	92.639	388	205.80	92.642	388	205.80	92.622
20%	Vmin	718	205.80	94.583	718	205.90	94.622	718	205.80	94.620	718	205.80	94.647	717	205.80	94.528
30%	Vmin	1066	205.90	95.246	1066	205.90	95.271	1066	205.80	95.244	1065	205.80	95.227	1065	205.80	95.201
50%	Vmin	1601	205.90	95.349	1602	205.90	95.367	1602	205.90	95.362	1602	205.90	95.391	1602	205.90	95.339
75%	Vmin	2343	206.00	95.167	2343	206.00	95.167	2342	206.00	95.126	2343	206.00	95.205	2343	206.00	95.205
100%	Vmin	3153	206.40	94.656	3152	206.40	94.626	3152	206.40	94.598	3153	206.40	94.656	3153	206.40	94.656
10%	Vnom	384	248.90	91.736	384	248.90	91.756	384	248.80	91.846	384	248.90	91.796	383	248.80	91.669
20%	Vnom	718	248.90	94.092	718	248.90	94.003	719	248.90	94.121	718	248.90	94.028	718	248.90	94.068
30%	Vnom	1052	248.90	94.790	1052	248.90	94.807	1052	248.90	94.842	1051	248.90	94.755	1051	248.90	94.736
50%	Vnom	1610	249.00	95.126	1610	249.00	95.137	1610	248.90	95.159	1610	248.90	95.165	1610	248.90	95.142
75%	Vnom	2323	249.00	94.894	2323	249.00	94.894	2322	249.00	94.853	2323	249.00	94.894	2323	249.00	94.894
100%	Vnom	3149	249.00	94.451	3149	249.00	94.479	3150	249.00	94.481	3151	249.00	94.483	3151	249.00	94.483
10%	Vmax	390	397.70	89.192	390	397.70	89.253	389	397.70	89.182	389	397.80	89.120	390	397.70	89.217
20%	Vmax	716	397.70	92.439	715	397.70	92.356	715	397.80	92.369	715	397.70	92.364	715	397.80	92.326
30%	Vmax	1060	397.70	93.571	1059	397.80	93.532	1059	397.80	93.550	1059	397.70	93.574	1060	397.80	93.612
50%	Vmax	1602	397.80	93.952	1602	397.80	94.013	1601	397.80	93.948	1601	397.80	93.990	1600	397.70	93.963
75%	Vmax	2328	397.80	93.947	2327	397.80	93.906	2328	397.80	93.947	2327	397.80	93.906	2328	397.80	93.947
100%	Vmax	3142	397.60	93.623	3219	397.90	93.467	3187	397.90	93.543	3156	397.80	93.539	3148	397.80	93.468

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	388	205.80	92.627	388	205.80	92.675									
20%	Vmin	717	205.80	94.577	717	205.80	94.553									
30%	Vmin	1066	205.80	95.202	1066	205.90	95.263									
50%	Vmin	1601	205.90	95.367	1602	205.90	95.426									
75%	Vmin	2342	206.00	95.165	2343	206.00	95.167									
100%	Vmin	3153	206.40	94.656	3153	206.40	94.656									
10%	Vnom	383	248.80	91.742	383	248.80	91.742									
20%	Vnom	718	248.90	94.054	719	248.90	94.180									
30%	Vnom	1051	248.90	94.762	1052	248.90	94.867									
50%	Vnom	1610	248.90	95.125	1610	248.90	95.141									
75%	Vnom	2323	249.00	94.894	2322	249.00	94.814									
100%	Vnom	3150	249.00	94.481	3150	249.00	94.453									
10%	Vmax	390	397.70	89.179	390	397.70	89.350									
20%	Vmax	715	397.70	92.361	715	397.70	92.384									
30%	Vmax	1059	397.80	93.553	1060	397.80	93.555									
50%	Vmax	1601	397.80	93.994	1602	397.80	94.036									
75%	Vmax	2327	397.80	93.906	2328	397.80	93.909									
100%	Vmax	3148	397.80	93.496	3148	397.80	93.496									