

Manufacturer: SMA Solar Technology AG

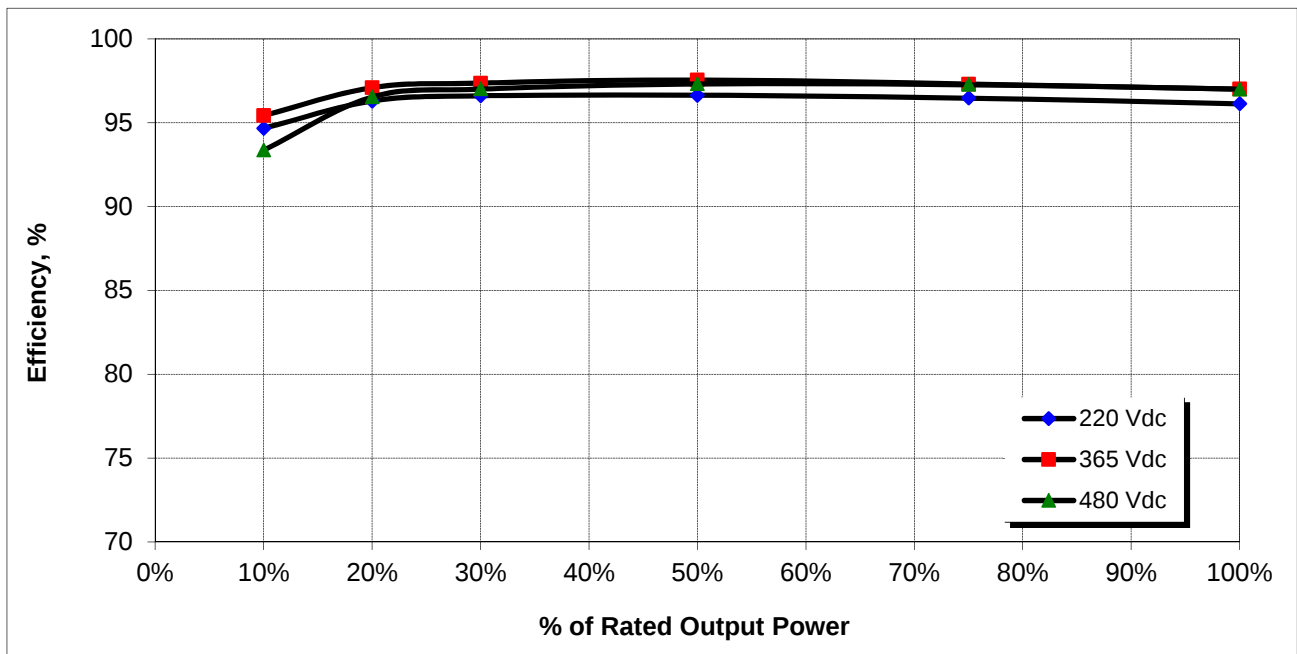
Model #: SB6.0-1SP-US-40 (240VAC)

Rated Maximum Continuous Output Power: 6.05 kW Night Tare Loss: 5.21 W

Vmin: 220 Vdc Vnom: 365 Vdc Vmax: 480 Vdc

Input Voltage (Vdc)		Power Level (%; kW)						Wtd
		10%	20%	30%	50%	75%	100%	
Vmin	220	94.7	96.3	96.6	96.6	96.5	96.1	96.4
Vnom	365	95.4	97.1	97.4	97.6	97.3	97.0	97.3
Vmax	480	93.4	96.5	97.0	97.3	97.3	97.0	97.1

CEC Efficiency = 97.0%



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	595.0	224.4	94.73	594.9	224.4	94.71	594.7	224.4	94.67	594.5	224.4	94.67	594.3	224.4	94.62
20%	Vmin	1334.2	224.4	96.30	1333.1	224.4	96.30	1333.5	224.4	96.30	1333.3	224.4	96.31	1333.2	224.4	96.32
30%	Vmin	1957.5	224.5	96.61	1957.2	224.5	96.62	1957.1	224.5	96.62	1956.7	224.5	96.61	1957.9	224.5	96.62
50%	Vmin	2750.6	224.5	96.65	2750.7	224.5	96.64	2750.7	224.5	96.63	2751.0	224.5	96.65	2751.4	224.5	96.67
75%	Vmin	4292.0	224.8	96.46	4293.0	224.8	96.48	4294.0	224.8	96.50	4293.0	224.8	96.48	4293.0	224.8	96.48
100%	Vmin	5821.0	224.8	96.14	5823.0	224.8	96.14	5823.0	224.8	96.13	5821.0	224.8	96.14	5824.0	224.8	96.14
10%	Vnom	595.3	364.2	95.53	588.4	364.2	95.38	589.3	364.2	95.50	588.4	364.2	95.34	589.3	364.2	95.44
20%	Vnom	1337.2	364.3	97.09	1335.8	364.3	97.13	1335.9	364.3	97.02	1335.7	364.3	97.08	1336.7	364.3	97.19
30%	Vnom	1931.9	364.2	97.39	1932.1	364.3	97.46	1931.4	364.3	97.23	1931.2	364.2	97.32	1931.0	364.3	97.46
50%	Vnom	3137.8	364.5	97.65	3139.0	364.5	97.46	3138.2	364.5	97.37	3138.9	364.5	97.66	3138.7	364.5	97.68
75%	Vnom	4292.0	364.6	97.30	4292.0	364.6	97.31	4293.0	364.6	97.32	4292.0	364.6	97.30	4295.0	364.6	97.32
100%	Vnom	5832.0	364.6	97.00	5832.0	364.6	97.02	5836.0	364.6	97.01	5825.0	364.7	96.99	5836.0	364.6	97.05
10%	Vmax	590.0	470.2	94.91	575.3	470.2	92.52	571.1	470.2	92.04	576.9	470.2	92.67	589.1	470.2	94.73
20%	Vmax	1315.3	470.2	96.60	1315.6	470.2	96.52	1315.7	470.2	96.51	1315.6	470.2	96.52	1315.8	470.2	96.58
30%	Vmax	1946.2	470.3	97.07	1945.4	470.3	97.00	1946.5	470.3	96.92	1946.0	470.3	97.04	1945.6	470.3	97.05
50%	Vmax	3375.5	470.4	97.44	3354.2	470.4	97.35	3316.7	470.4	97.16	3316.6	470.3	97.24	3315.7	470.4	97.42
75%	Vmax	4646.0	470.5	97.36	4645.0	470.5	97.24	4646.0	470.5	97.14	4647.0	470.5	97.32	4645.0	470.5	97.35
100%	Vmax	6061.0	471.4	97.06	6059.0	471.4	97.01	6059.0	471.4	96.92	6060.0	471.3	97.06	6059.0	471.3	97.01

[illegible]