Manufacturer: SolarEdge Technology

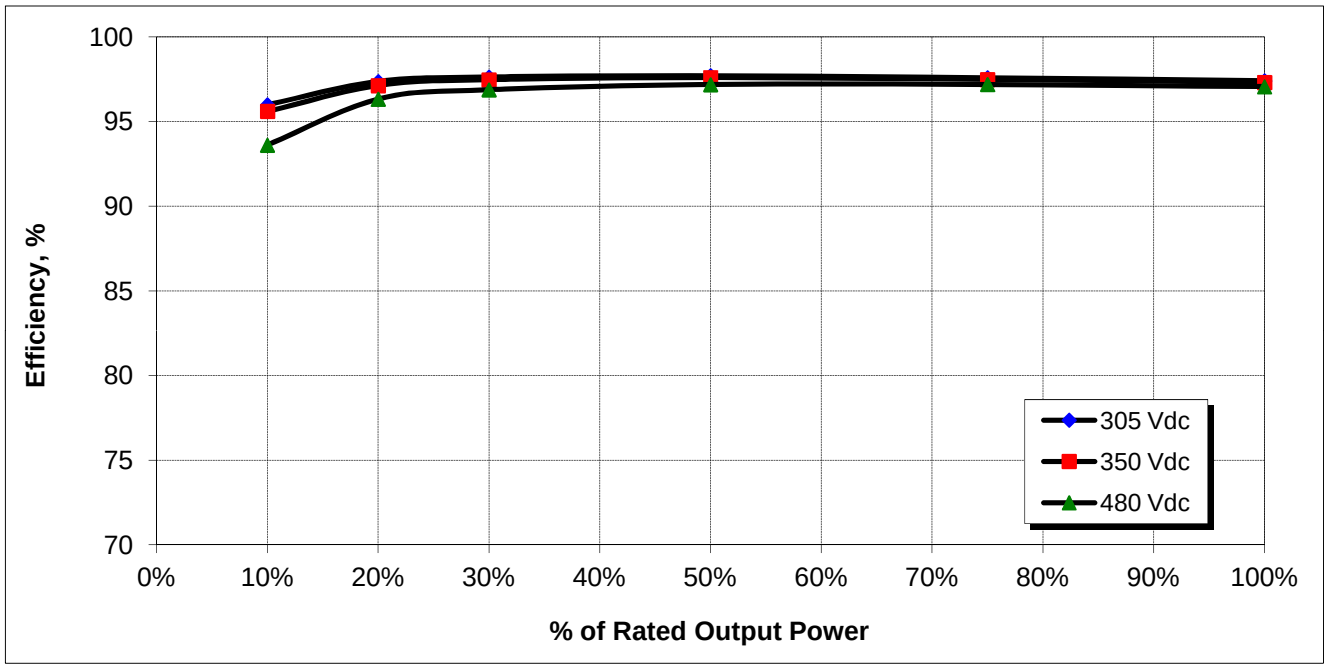
Model #: SE3000

Rated Maximum Continuous Output Power: 3.02 kW Night Tare Loss: -3.71 W

Vmin: 305 Vdc Vnom: 350 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.60	0.91	1.51	2.27	3.02	Wtd
Vmin	305	96.0	97.4	97.6	97.7	97.6	97.4	97.5
Vnom	350	95.6	97.1	97.5	97.6	97.5	97.3	97.4
Vmax	480	93.6	96.3	96.9	97.2	97.2	97.1	97.0

CEC Efficiency = 97.5%



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	0.2892	304.8	95.997	0.288	304.82	95.983	0.288	304.81	95.972	0.289	304.8	95.996	0.288	304.82	95.981
20%	Vmin	0.6185	304.86	97.363	0.62	304.86	97.369	0.62	304.85	97.372	0.619	304.87	97.371	0.619	304.88	97.363
30%	Vmin	0.9179	304.87	97.623	0.918	304.87	97.634	0.916	304.88	97.629	0.918	304.87	97.625	0.916	304.88	97.627
50%	Vmin	1.525	304.86	97.709	1.526	304.87	97.706	1.526	304.86	97.702	1.524	304.89	97.705	1.527	304.85	97.705
75%	Vmin	2.283	304.91	97.583	2.282	304.93	97.585	2.285	304.92	97.579	2.288	304.88	97.585	2.284	304.93	97.581
100%	Vmin	3.024	304.97	97.401	3.025	304.95	97.404	3.024	304.97	97.400	3.024	304.97	97.401	3.024	304.96	97.401
10%	Vnom	0.2947	349.25	95.611	0.293	349.26	95.597	0.294	349.24	95.602	0.294	349.26	95.604	0.293	349.26	95.601
20%	Vnom	0.6172	349.24	97.115	0.618	349.21	97.133	0.618	349.2	97.130	0.618	349.21	97.120	0.618	349.2	97.124
30%	Vnom	0.9306	349.22	97.463	0.93	349.23	97.455	0.931	349.22	97.468	0.931	349.21	97.477	0.93	349.23	97.462
50%	Vnom	1.53	349.23	97.589	1.53	349.24	97.592	1.53	349.24	97.581	1.532	349.23	97.586	1.53	349.25	97.592
75%	Vnom	2.291	349.24	97.483	2.293	349.22	97.485	2.293	349.24	97.483	2.293	349.24	97.485	2.293	349.25	97.485
100%	Vnom	3.025	349.81	97.307	3.024	349.8	97.308	3.024	349.8	97.307	3.025	349.81	97.308	3.025	349.79	97.306
10%	Vmax	0.2775	479.05	93.612	0.278	479.04	93.628	0.276	479.07	93.590	0.277	479.06	93.592	0.278	479.05	93.614
20%	Vmax	0.6127	479.05	96.318	0.612	479.06	96.317	0.613	479.05	96.319	0.613	479.04	96.320	0.613	479.04	96.322
30%	Vmax	0.9196	479.07	96.869	0.92	479.07	96.871	0.921	479.05	96.864	0.923	479.06	96.881	0.922	479.07	96.872
50%	Vmax	1.517	479.05	97.182	1.517	479.06	97.183	1.517	479.08	97.178	1.521	479.05	97.180	1.519	479.07	97.181
75%	Vmax	2.273	479.07	97.184	2.273	479.09	97.186	2.272	479.09	97.186	2.272	479.1	97.183	2.274	479.06	97.183
100%	Vmax	3.013	479.17	97.053	3.014	479.16	97.056	3.013	479.15	97.055	3.012	479.16	97.053	3.013	479.15	97.053

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															