Manufacturer: Aeconversion GmbH & Co. KG

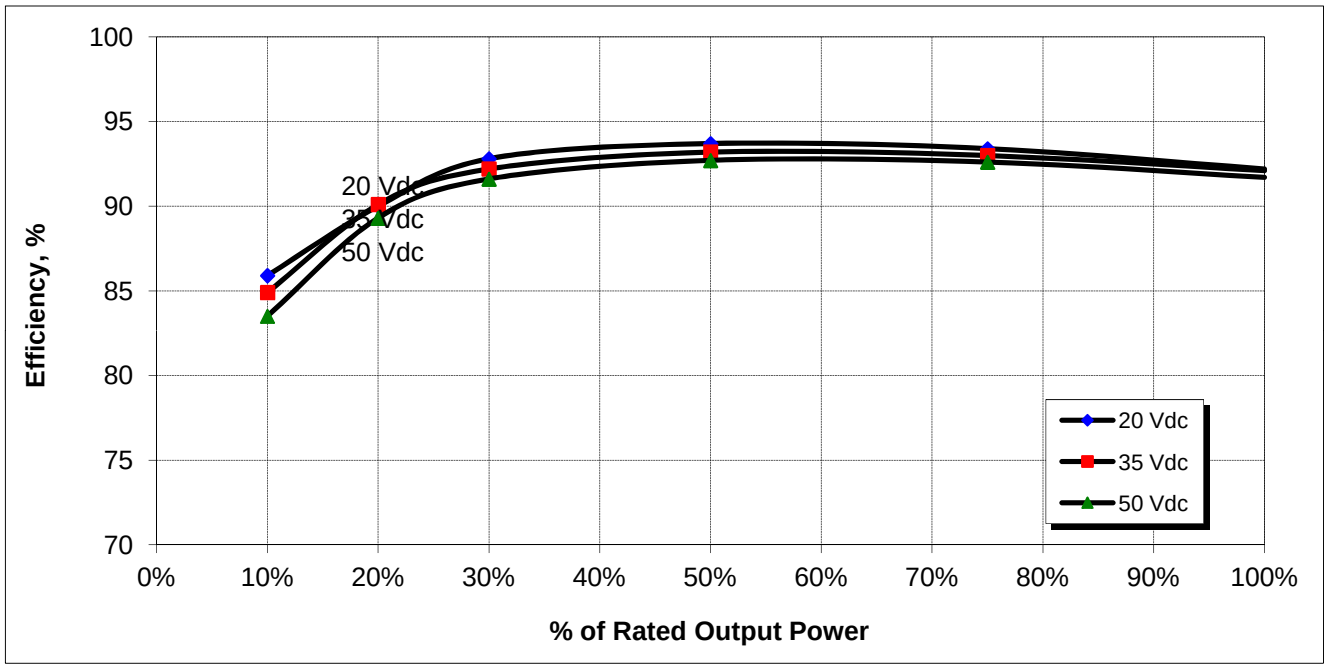
Model #: INV350-60US xxxxx (240V)

Rated Maximum Continuous Output Power: 0.300 kW Night Tare Loss: 0.0265 W

Vmin: 20 Vdc Vnom: 35 Vdc Vmax: 50 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)								Wtd
Vmin	20	85.9	90.0	92.8	93.7	93.4	92.2	92.9
Vnom	35	84.9	90.1	92.2	93.2	93.0	92.1	92.4
Vmax	50	83.5	89.3	91.6	92.7	92.6	91.7	91.9

CEC Efficiency = 92.5%



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	32.877	20	86.471	32.89	20	86.501	32.876	20	86.47	32.88	20	86.478	32.895	20	86.509
20%	Vmin	60.164	20	90.928	60.18	20	90.918	60.154	20	90.877	60.181	20	90.91	60.238	20	90.945
30%	Vmin	93.821	20	92.743	93.97	20	92.745	94.068	20	92.732	94.15	20	92.711	94.258	20	92.716
50%	Vmin	150.51	20	92.936	150.6	20	92.956	150.65	20	92.943	150.73	20	92.939	150.79	20	92.716
75%	Vmin	233.85	20	92.074	233.9	20	92.08	233.88	20	92.076	233.82	20	92.074	233.9	20	92.071
100%	Vmin	314.98	20	90.585	315	20	90.591	314.94	20	90.581	315.07	20	90.595	315.08	20	90.595
10%	Vnom	32.936	35	85.532	32.93	30	85.522	32.943	35	85.546	32.929	35	85.518	32.926	35	85.489
20%	Vnom	60.468	35	90.327	60.46	30	90.299	60.451	35	90.282	60.49	35	90.339	60.503	35	90.316
30%	Vnom	95.966	35	92.193	96.03	30	92.169	96.083	35	92.161	96.089	35	92.161	96.134	35	92.142
50%	Vnom	150.72	35	92.524	150.8	30	92.528	150.77	35	92.254	150.86	35	92.532	150.89	35	92.527
75%	Vnom	235.4	35	91.668	235.5	30	91.666	235.5	35	91.667	235.54	35	91.676	235.49	35	91.672
100%	Vnom	317.34	35	90.047	317.4	30	90.045	317.32	35	90.04	317.43	35	90.047	317.46	35	90.05
10%	Vmax	32.839	50	84.22	32.83	50	84.209	32.841	50	84.214	32.838	50	84.216	32.841	50	84.205
20%	Vmax	60.055	50	89.42	60.05	50	89.425	60.082	50	89.423	60.087	50	89.411	60.117	50	89.417
30%	Vmax	95.238	50	91.452	95.26	50	91.438	95.254	50	91.423	95.277	50	91.439	95.295	50	91.44
50%	Vmax	150.73	50	92.005	150.8	50	92.019	150.75	50	91.996	150.77	50	92.004	150.77	50	92.011
75%	Vmax	235.99	50	91.159	236.1	50	91.178	236.1	50	91.18	236.08	50	91.183	236.16	50	91.195
100%	Vmax	318.43	50	89.551	318.4	50	89.549	318.46	50	89.55	318.4	50	89.546	318.45	50	89.549

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															