Manufacturer: Power-One, Inc.

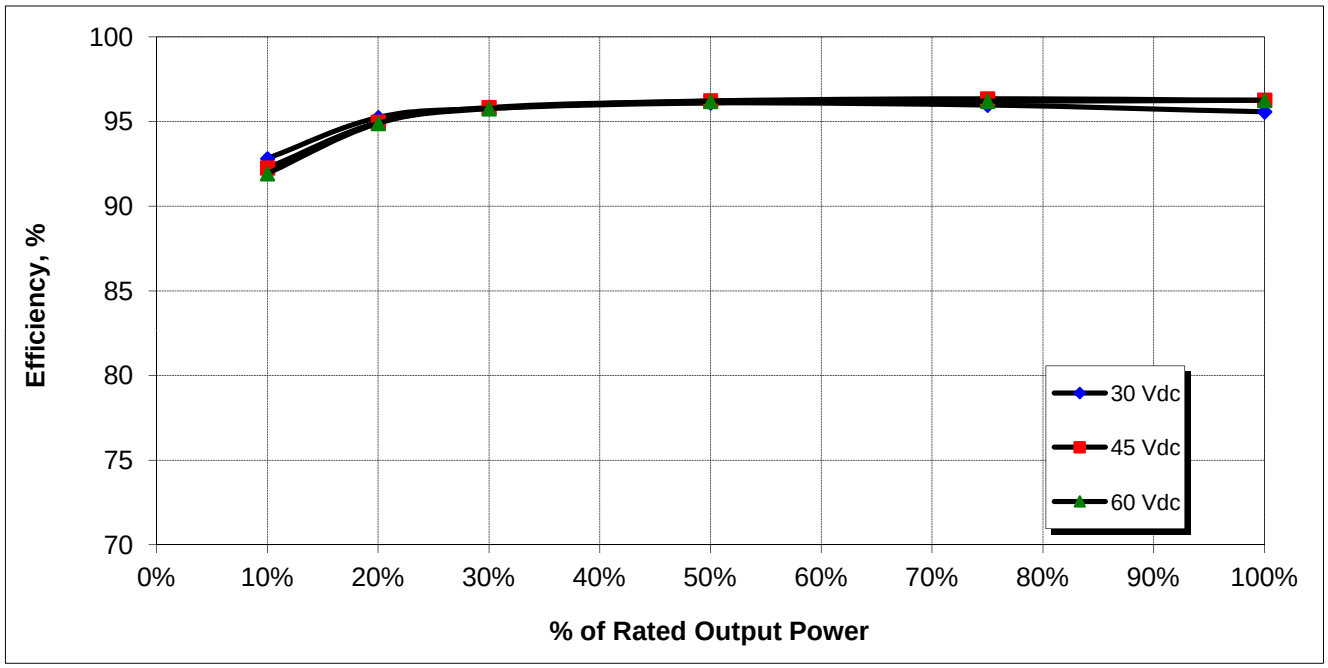
Model #: MICRO-0.3HV-I-OUTD-US @ 208Vac

Rated Maximum Continuous Output Power: 0.30 kW Night Tare Loss: 0.06 W

Vmin: 30 Vdc Vnom: 45 Vdc Vmax: 60 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.03	0.06	0.09	0.15	0.23	0.30	Wtd
Vmin	30	92.8	95.2	95.8	96.1	96.0	95.6	95.8
Vnom	45	92.3	95.0	95.8	96.2	96.3	96.3	96.0
Vmax	60	91.9	94.9	95.7	96.2	96.2	96.2	95.9

CEC Efficiency = 96.0%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	29.7	30.1	92.8	29.7	30.1	92.8	29.7	30.1	92.8	29.7	30.1	92.8	29.7	30.1	92.8
20%	Vmin	66.0	30.1	95.2	66.0	30.1	95.2	66.0	30.1	95.2	66.0	30.1	95.2	66.0	30.1	95.2
30%	Vmin	97.1	30.1	95.8	97.1	30.1	95.8	97.1	30.1	95.8	97.1	30.1	95.8	97.1	30.1	95.8
50%	Vmin	164.8	30.1	96.1	164.8	30.1	96.1	164.8	30.1	96.1	164.8	30.1	96.1	164.8	30.1	96.1
75%	Vmin	228.7	30.2	96.0	228.7	30.2	96.0	228.7	30.2	96.0	228.7	30.2	96.0	228.7	30.2	96.0
100%	Vmin	285.5	30.2	95.6	285.4	30.2	95.5	285.4	30.2	95.6	285.6	30.2	95.6	285.5	30.2	95.6
10%	Vnom	29.8	45.9	92.3	29.8	45.9	92.3	29.8	45.9	92.3	29.8	45.9	92.3	29.8	45.9	92.3
20%	Vnom	65.9	44.9	95.0	65.9	44.9	95.0	65.9	44.9	95.0	65.9	44.9	95.0	65.9	44.9	95.0
30%	Vnom	97.4	44.1	95.8	97.4	44.1	95.9	97.4	44.1	95.8	97.5	44.1	95.8	97.4	44.1	95.8
50%	Vnom	143.0	45.8	96.2	143.0	45.9	96.2	143.0	45.9	96.2	143.0	45.8	96.2	143.0	45.8	96.2
75%	Vnom	237.7	45.8	96.4	237.7	45.8	96.4	237.7	45.8	96.4	237.7	45.8	96.4	237.7	45.8	96.4
100%	Vnom	292.3	45.0	96.2	292.2	45.0	96.2	292.3	45.0	96.3	292.3	45.0	96.3	292.4	45.0	96.3
10%	Vmax	29.6	60.0	91.9	29.6	60.0	91.9	29.6	60.0	91.9	29.6	60.0	91.9	29.6	60.0	91.9
20%	Vmax	65.5	60.0	94.9	65.5	60.0	94.9	65.5	60.0	94.8	65.5	60.0	94.8	65.5	60.0	94.8
30%	Vmax	97.5	60.0	95.8	97.5	60.0	95.8	97.5	60.0	95.7	97.5	60.0	95.8	97.5	60.0	95.7
50%	Vmax	145.1	60.0	96.2	145.1	60.0	96.2	145.1	60.0	96.2	145.1	60.0	96.2	145.1	60.0	96.2
75%	Vmax	239.2	60.0	96.2	239.1	60.0	96.2	239.2	60.0	96.2	239.0	60.0	96.1	239.1	60.0	96.2
100%	Vmax	293.9	60.0	96.2	294.1	60.0	96.3	294.1	60.0	96.3	293.8	60.0	96.2	293.9	60.0	96.2

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	29.7	30.1	92.8	29.7	30.1	92.8									
20%	Vmin	66.0	30.1	95.2	66.0	30.1	95.2									
30%	Vmin	97.1	30.1	95.8	97.1	30.1	95.8									
50%	Vmin	164.8	30.1	96.1	164.8	30.1	96.1									
75%	Vmin	228.7	30.2	96.0	228.7	30.2	96.0									
100%	Vmin	285.5	30.2	95.6	285.5	30.2	95.6									
10%	Vnom	29.8	45.9	92.3	29.8	45.9	92.3									
20%	Vnom	65.9	44.9	95.0	65.9	44.9	95.0									
30%	Vnom	97.5	44.1	95.8	97.4	44.1	95.8									
50%	Vnom	143.0	45.9	96.2	143.0	45.9	96.2									
75%	Vnom	237.7	45.8	96.3	237.7	45.8	96.3									
100%	Vnom	292.5	45.0	96.3	292.3	45.0	96.2									
10%	Vmax	29.6	60.0	91.9	29.6	60.0	91.9									
20%	Vmax	65.5	60.0	94.9	65.5	60.0	94.9									
30%	Vmax	97.5	60.0	95.7	97.5	60.0	95.7									
50%	Vmax	145.1	60.0	96.2	145.1	60.0	96.2									
75%	Vmax	239.1	60.0	96.2	239.3	60.0	96.3									
100%	Vmax	293.9	60.0	96.2	293.8	60.0	96.2									