Manufacturer: Power-One

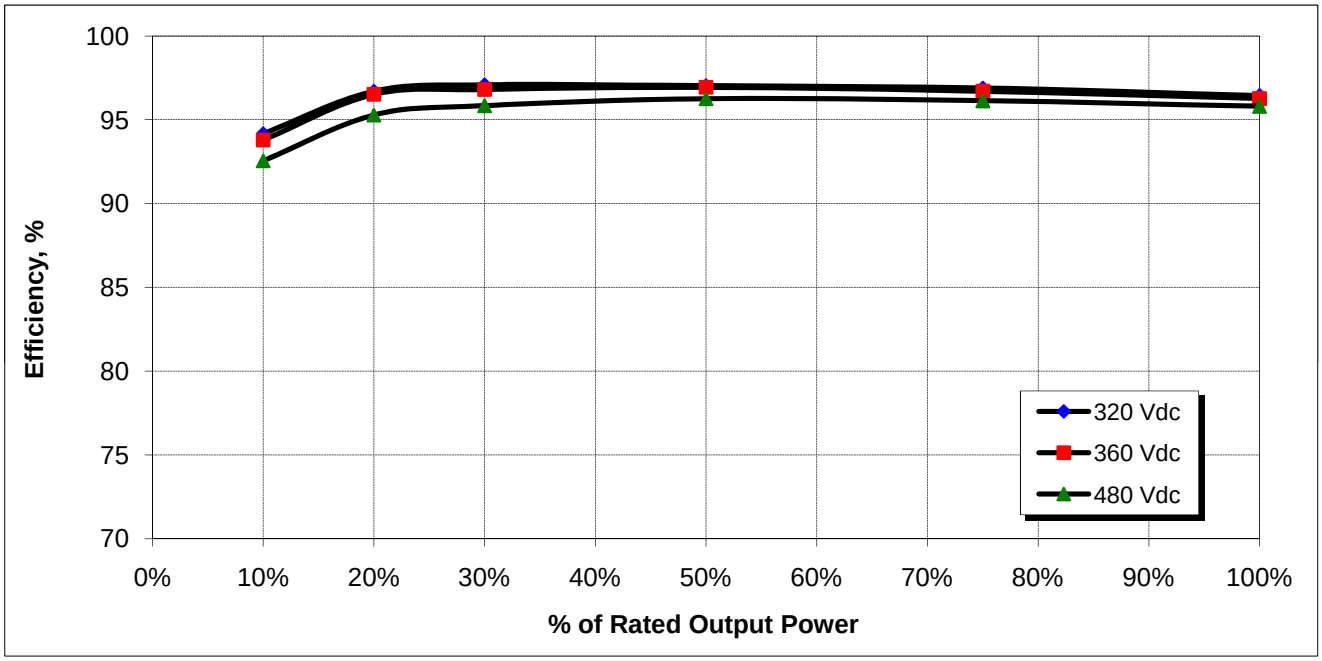
Model #: PVI-CENTRAL-250-US

Rated Maximum Continuous Output Power @25°C: 250.0 kW Night Tare Loss: -103.46 W
Rated Maximum Continuous Output Power @40°C: 250.0 kW Night Tare Loss: -103.46 W

Vmin: 320 Vdc Vnom: 360 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		25.00	50.00	75.00	125.00	187.50	250.00	Wtd
Vmin	320	94.2	96.7	97.1	97.0	96.9	96.4	96.8
Vnom	360	93.8	96.5	96.8	96.9	96.7	96.3	96.6
Vmax	480	92.6	95.3	95.8	96.2	96.1	95.8	95.9

CEC Efficiency = 96.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	24147.92	319.80	94.13	24150.51	319.38	94.17	24143.90	319.65	94.14	24150.98	319.29	94.18	24154.11	319.15	94.20
20%	Vmin	54389.88	320.26	96.71	54389.51	320.60	96.70	54389.53	320.76	96.70	54389.39	320.80	96.70	54391.31	320.47	96.71
30%	Vmin	81082.36	319.52	97.09	81079.12	319.47	97.10	81078.79	319.77	97.09	81080.33	320.23	97.09	81079.03	319.92	97.08
50%	Vmin	112818.48	320.01	97.03	112819.79	320.48	97.04	112821.62	320.51	97.03	112830.87	320.84	97.04	112820.34	320.37	97.02
75%	Vmin	175036.42	320.07	96.89	175045.89	319.85	96.90	175040.80	320.46	96.90	175046.81	320.50	96.90	175044.35	320.53	96.89
100%	Vmin	238282.32	320.70	96.44	238293.76	320.89	96.44	238295.86	321.27	96.44	238301.78	321.00	96.45	238297.65	320.93	96.45
10%	Vnom	24557.19	359.79	93.77	24556.90	359.79	93.80	24559.00	359.63	93.76	24556.97	359.85	93.79	24553.22	360.03	93.73
20%	Vnom	54444.15	359.59	96.52	54439.74	359.56	96.52	54493.21	359.53	96.52	54558.86	359.78	96.51	54555.75	360.49	96.51
30%	Vnom	81104.41	359.84	96.81	81104.13	359.96	96.81	81103.30	359.89	96.81	81103.58	359.66	96.82	81101.77	359.74	96.81
50%	Vnom	112630.90	360.57	96.94	112632.30	360.45	96.95	112623.29	360.65	96.92	112630.47	360.55	96.94	112628.82	360.73	96.94
75%	Vnom	175394.14	361.19	96.71	175384.95	360.03	96.71	175394.01	360.02	96.71	175390.38	360.30	96.72	175400.33	360.22	96.71
100%	Vnom	237867.57	360.89	96.26	237863.95	361.00	96.25	237871.45	361.02	96.26	237885.61	361.79	96.27	237893.82	361.57	96.27
10%	Vmax	24713.21	478.02	92.61	24710.52	477.50	92.53	24709.21	477.30	92.56	24713.12	477.87	92.53	24717.04	478.89	92.52
20%	Vmax	54667.74	479.69	95.27	54664.93	479.61	95.28	54665.28	478.95	95.29	54667.77	479.19	95.25	54665.44	479.23	95.25
30%	Vmax	81045.36	479.09	95.85	81045.43	478.70	95.85	81042.13	479.05	95.83	81041.01	479.26	95.80	81037.76	477.69	95.84
50%	Vmax	112610.37	480.30	96.25	112600.72	479.18	96.26	112594.19	477.77	96.26	112592.12	477.93	96.23	112597.51	477.97	96.26
75%	Vmax	175334.73	479.89	96.13	175343.48	479.83	96.13	175364.27	480.83	96.12	175378.29	481.12	96.14	175373.53	481.26	96.14
100%	Vmax	237839.75	480.77	95.79	237839.85	480.74	95.79	237860.79	482.07	95.79	237915.12	484.75	95.80	237917.31	484.56	95.80

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	24148.61	319.34	94.15	24148.33	319.31	94.17									
20%	Vmin	54388.24	320.50	96.70	54392.99	320.71	96.70									
30%	Vmin	81081.05	320.22	97.08	81080.61	319.65	97.10									
50%	Vmin	112821.94	320.18	97.04	112818.48	320.61	97.03									
75%	Vmin	175043.89	321.01	96.90	175034.16	320.81	96.89									
100%	Vmin	238303.83	321.08	96.45	238309.62	321.02	96.45									
10%	Vnom	24558.26	359.86	93.81	24552.19	359.90	93.83									
20%	Vnom	54557.75	360.29	96.51	54558.79	360.33	96.51									
30%	Vnom	81105.78	359.90	96.81	81103.27	359.30	96.81									
50%	Vnom	112629.40	360.31	96.93	112631.20	360.43	96.94									
75%	Vnom	175392.95	360.30	96.71	175381.86	360.38	96.71									
100%	Vnom	237895.92	361.51	96.27	237884.17	362.00	96.26									
10%	Vmax	24716.15	478.90	92.59	24717.18	478.94	92.54									
20%	Vmax	54660.66	478.47	95.30	54659.03	478.40	95.30									
30%	Vmax	81044.56	478.54	95.84	81033.68	476.87	95.83									
50%	Vmax	112595.77	478.27	96.24	112594.64	478.37	96.25									
75%	Vmax	175353.65	480.42	96.13	175352.21	480.08	96.13									
100%	Vmax	237935.59	485.25	95.80	237927.43	485.03	95.80									