Manufacturer: Power-One

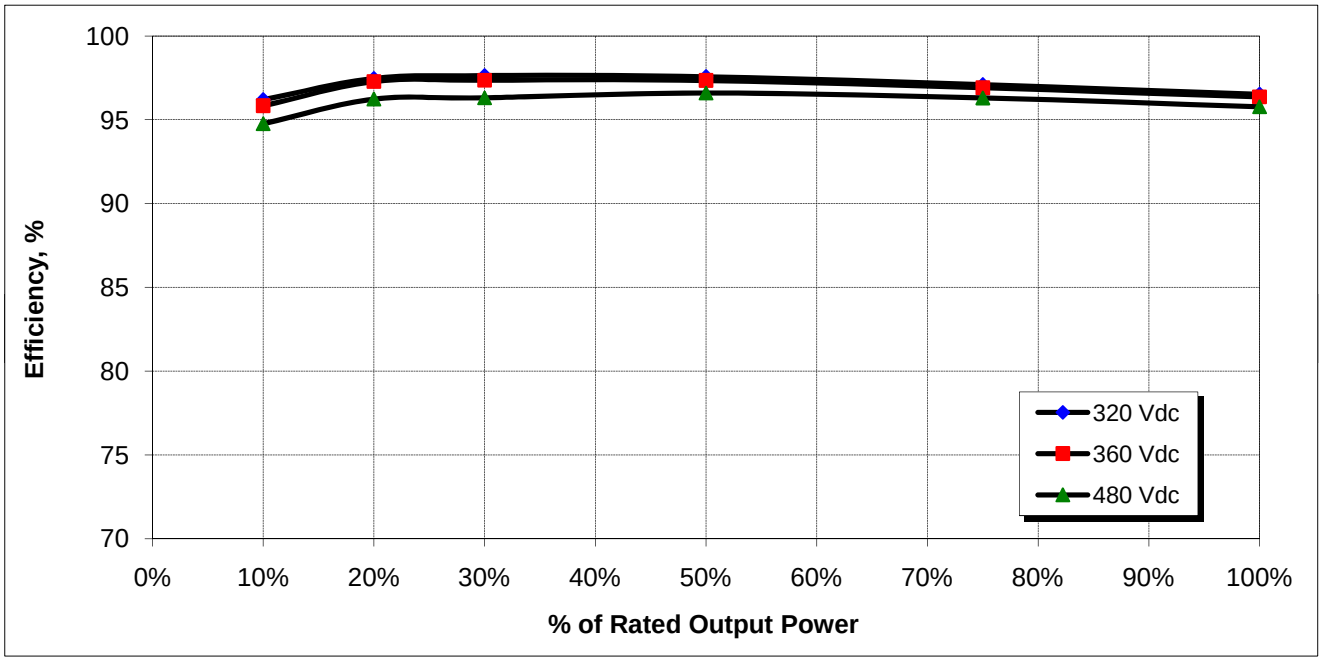
Model #: PVI-CENTRAL-300-US

Rated Maximum Continuous Output Power @25°C: 300.0 kW Night Tare Loss: -119.0 W
Rated Maximum Continuous Output Power @40°C: 300.0 kW Night Tare Loss: -119.0 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		30.00	60.00	90.00	150.00	225.00	300.00	Wtd
Vmin	320	96.2	97.5	97.6	97.6	97.1	96.5	97.2
Vnom	360	95.8	97.3	97.4	97.4	96.9	96.4	97.0
Vmax	480	94.8	96.2	96.3	96.6	96.3	95.8	96.3

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 (% of rated)	Input Voltage (Vdc)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin	29489.6	320.39	96.195	29485.2	320.57	96.215	29490	320.16	96.191	29487.2	320.34	96.195	29484.2	320.64	96.164
20%	Vmin	65760.8	320.22	97.463	65764.7	320.26	97.464	65760.9	320.93	97.455	65763.5	321.07	97.461	65761.6	320.62	97.457
30%	Vmin	96883.8	320.44	97.632	96884.7	320.44	97.632	96888.1	320.07	97.635	96887.4	320.27	97.635	96888.9	320.78	97.630
50%	Vmin	135252	320.35	97.572	135255	320.35	97.576	135253	320.54	97.577	135258	320.78	97.574	135257	320.87	97.570
75%	Vmin	210145	320.19	97.098	210134	320.58	97.094	210123	320.34	97.091	210135	320.79	97.097	210134	320.86	97.092
100%	Vmin	285329	320.77	96.526	285130	320.57	96.526	285118	320.46	96.526	285121	320.46	96.527	285129	320.83	96.524
10%	Vnom	29705.8	360.67	95.827	29707.5	361.06	95.843	29680	361.14	95.830	29665	360.93	95.853	29672.6	360.78	95.828
20%	Vnom	65752.1	360.74	97.277	65759.9	360.76	97.275	65762.7	360.79	97.293	65761.5	360.85	97.274	65762.4	361.4	97.283
30%	Vnom	97410	360.5	97.366	97407.5	360.53	97.359	97415.1	361.03	97.362	97411.5	361.26	97.351	97412.4	361.43	97.358
50%	Vnom	135259	360.04	97.352	135264	360.69	97.348	135265	360.45	97.355	135258	360.51	97.358	135256	360.56	97.344
75%	Vnom	210563	360.87	96.910	210396	360.79	96.902	210394	360.33	96.916	210395	360.62	96.909	210380	360.32	96.909
100%	Vnom	285392	360.92	96.379	285371	360.25	96.369	285391	360.57	96.372	285387	360.91	96.364	285364	360.22	96.361
10%	Vmax	29898.6	480.52	94.777	29894.3	480.37	94.716	29895.4	480.02	94.751	29897.9	479.9	94.806	29894	480.1	94.798
20%	Vmax	65746.5	481.01	96.263	65748.4	481.44	96.221	65745.1	480.72	96.214	65775	480.36	96.250	65824.5	480.76	96.253
30%	Vmax	97374	480.96	96.324	97371	480.17	96.310	97375.7	480.54	96.297	97374.1	480.34	96.295	97372.1	480.36	96.323
50%	Vmax	135211	480.71	96.596	135194	480.24	96.596	135196	480.27	96.596	135197	480.41	96.596	135197	480.55	96.594
75%	Vmax	210424	480.47	96.296	210223	480.65	96.305	210160	480.22	96.302	210167	480.64	96.303	210166	480.33	96.309
100%	Vmax	285104	480.66	95.768	285106	480.65	95.782	285095	480.54	95.778	285101	480.84	95.780	285088	480.67	95.781

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power (% of rated)	Input Voltage (Vdc)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin	29481.8	320.65	96.205	29482.8	320.56	96.216									
20%	Vmin	65763.3	320.36	97.458	65766.3	320.17	97.468									
30%	Vmin	96887.2	320.81	97.635	96886.3	320.72	97.631									
50%	Vmin	135260	320.75	97.579	135264	320.93	97.565									
75%	Vmin	210122	320.41	97.088	210130	319.87	97.086									
100%	Vmin	285129	320.66	96.528	285130	320.81	96.531									
10%	Vnom	29672	360.95	95.841	29672.9	360.96	95.840									
20%	Vnom	65766.1	361.09	97.285	65764.3	360.76	97.281									
30%	Vnom	97412.9	361.67	97.356	97407.7	361.76	97.355									
50%	Vnom	135265	360.58	97.354	135267	360.62	97.353									
75%	Vnom	210406	360.65	96.917	210394	360.54	96.915									
100%	Vnom	285377	360.57	96.362	285377	360.51	96.372									
10%	Vmax	29894.7	480.12	94.758	29894.8	480.39	94.787									
20%	Vmax	65825.9	480.59	96.248	65822.9	480.57	96.206									
30%	Vmax	97377.1	481.24	96.319	97371.4	480.51	96.301									
50%	Vmax	135188	480.48	96.585	135209	480.87	96.597									
75%	Vmax	210162	480.29	96.309	210164	480.23	96.299									
100%	Vmax	285073	480.68	95.779	285061	480.38	95.780									