Manufacturer: Ballard Power Systems Corp.

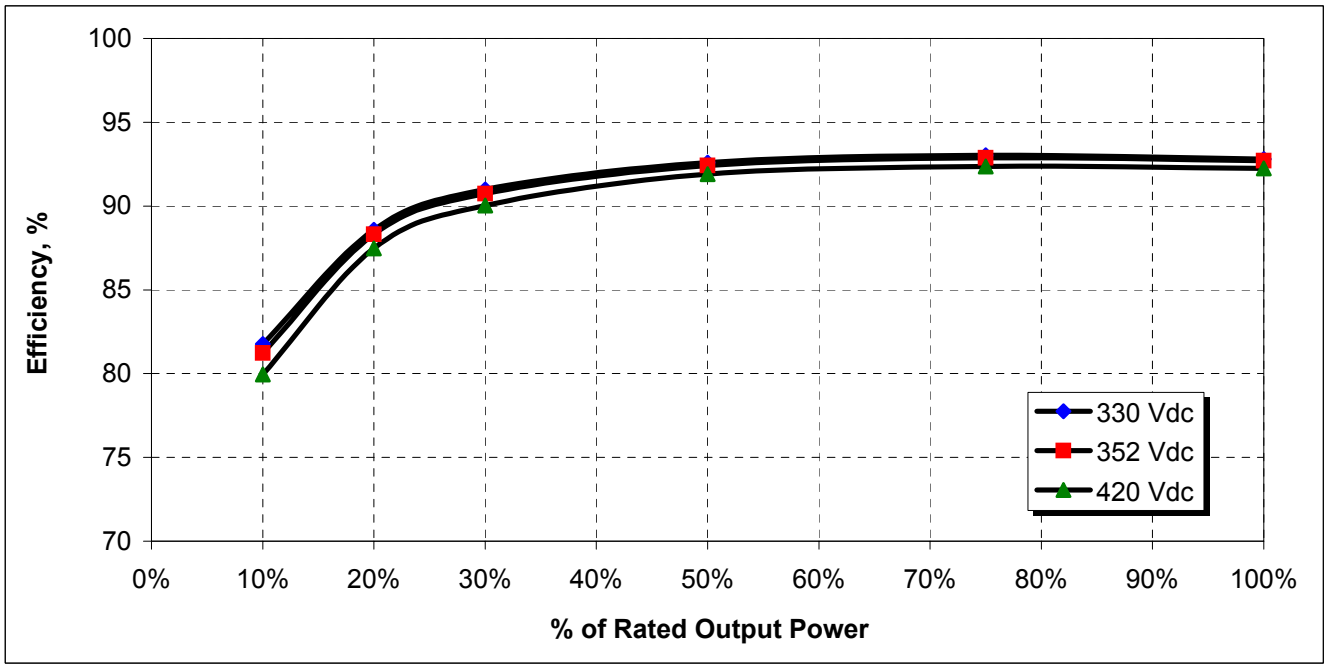
Model #: EPC-PV-208-75KW

Rated Maximum Continuous Output Power: 75.00 kW Night Tare Loss: 107.00 W

Vmin: 330 Vdc Vnom: 352 Vdc Vmax: 420 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		7.50	15.00	22.50	37.50	56.25	75.00	Wtd
Vmin	330	81.8	88.6	91.0	92.6	93.0	92.8	92.0
Vnom	352	81.2	88.3	90.7	92.4	92.9	92.7	91.8
Vmax	420	79.9	87.5	90.0	91.9	92.4	92.2	91.2

CEC Efficiency = 91.5%



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	7589	330.88	81.778	7592	330.92	81.713	7601	330.92	81.802	7605	330.94	81.765	7595	330.93	81.711
20%	Vmin	15096	330.7	88.529	15102	330.71	88.544	15082	330.68	88.525	15089	330.69	88.566	15171	330.69	88.610
30%	Vmin	22517	330.41	90.948	22549	330.42	90.953	22677	330.42	91.003	22662	330.43	91.001	22566	330.41	90.974
50%	Vmin	37637	330.86	92.590	37615	330.84	92.593	37650	330.85	92.599	37639	330.85	92.597	37659	330.87	92.599
75%	Vmin	56440	330.13	93.031	56450	330.14	93.032	56409	330.14	93.020	56450	330.14	93.012	56442	330.16	93.017
100%	Vmin	75322	330.54	92.805	75085	330.53	92.816	75154	330.53	92.816	75214	330.51	92.803	75145	330.51	92.803
10%	Vnom	7514	351.8	81.206	7527	351.82	81.232	7520	351.79	81.245	7506	351.77	81.269	7503	351.78	81.236
20%	Vnom	15182	351.58	88.314	15114	351.58	88.288	15113	351.58	88.282	15124	351.59	88.320	15114	351.58	88.298
30%	Vnom	22561	351.33	90.734	22551	351.33	90.734	22555	351.33	90.750	22556	351.34	90.736	22562	351.34	90.749
50%	Vnom	37500	352.81	92.412	37446	352.83	92.425	37390	352.82	92.415	37448	352.84	92.416	37464	352.82	92.422
75%	Vnom	56474	353.18	92.853	56439	353.2	92.876	56526	353.17	92.862	56426	353.17	92.862	56534	353.18	92.886
100%	Vnom	75234	350.5	92.694	75288	350.51	92.688	75316	350.5	92.698	75194	350.51	92.700	75290	350.5	92.690
10%	Vmax	7534	420.45	79.987	7571	420.46	80.015	7575	420.48	79.998	7515	420.5	79.938	7491	420.47	79.810
20%	Vmax	15119	420.25	87.459	15117	420.23	87.478	15161	420.23	87.489	15153	420.24	87.488	15174	420.24	87.478
30%	Vmax	22548	421.03	90.041	22533	421.05	90.049	22530	421.04	90.026	22584	421.03	90.037	22542	421.04	90.053
50%	Vmax	37604	421.62	91.919	37520	421.65	91.900	37638	421.61	91.923	37566	421.6	91.905	37584	421.6	91.910
75%	Vmax	56379	421.11	92.358	56376	421.11	92.364	56381	421.13	92.355	56332	421.12	92.360	56339	421.12	92.377
100%	Vmax	75346	420.5	92.249	75251	420.48	92.241	75182	420.51	92.244	75126	420.51	92.244	75315	420.5	92.240

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	7594	330.92	81.753	7597	330.92	81.785									
20%	Vmin	15247	330.69	88.614	15250	330.67	88.632									
30%	Vmin	22573	330.44	90.991	22617	330.44	90.974									
50%	Vmin	37632	330.87	92.562	37573	330.88	92.590									
75%	Vmin	56546	330.14	93.014	56489	330.16	93.033									
100%	Vmin	75269	330.46	92.817	75136	330.5	92.809									
10%	Vnom	7506	351.79	81.234	7508	351.79	81.220									
20%	Vnom	15127	351.6	88.323	15141	351.6	88.348									
30%	Vnom	22601	351.34	90.763	22594	351.33	90.750									
50%	Vnom	37457	352.84	92.418	37429	352.84	92.417									
75%	Vnom	56574	353.14	92.869	56503	353.12	92.876									
100%	Vnom	75303	350.51	92.694	75344	350.5	92.708									
10%	Vmax	7455	420.47	79.750	7634	420.46	80.080									
20%	Vmax	15182	420.25	87.504	15156	420.24	87.481									
30%	Vmax	22558	421.02	90.030	22633	421.03	90.042									
50%	Vmax	37553	421.63	91.898	37573	421.61	91.906									
75%	Vmax	56417	421.11	92.364	56341	421.12	92.367									
100%	Vmax	75313	420.5	92.240	75335	420.52	92.236									