Manufacturer: TMEIC

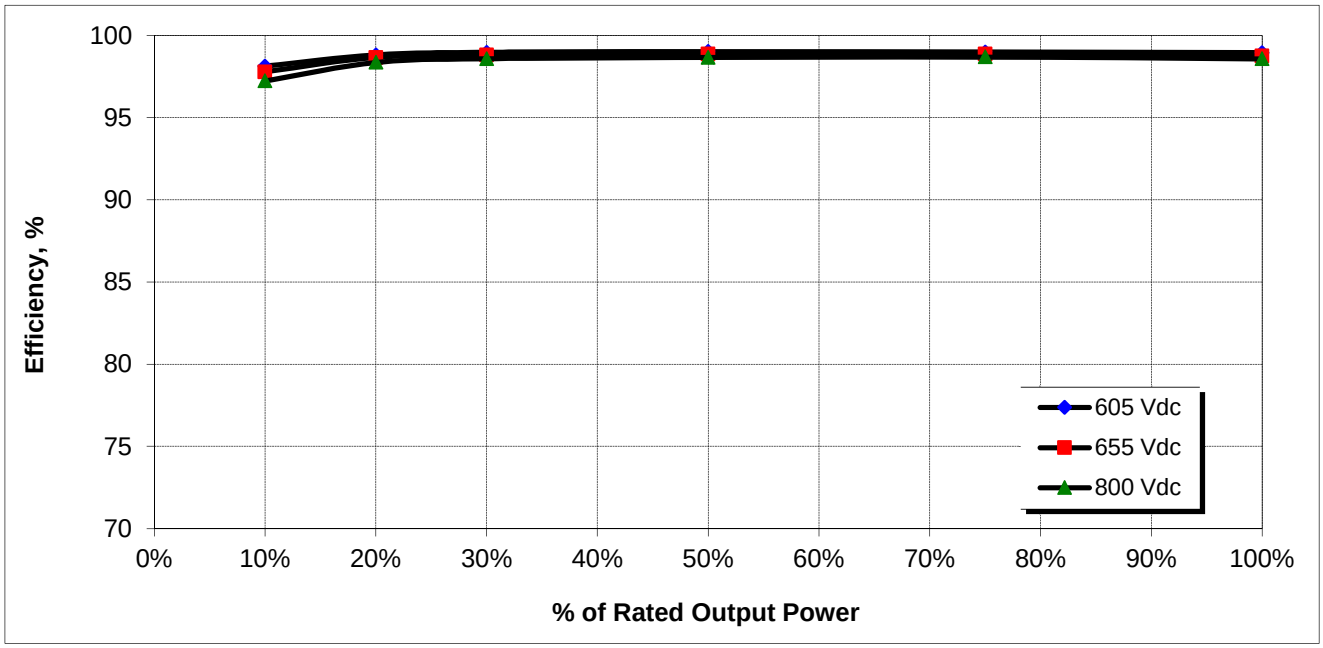
Model #: PVL-L0833GR

Rated Maximum Continuous Output Power: 833.0 kW Night Tare Loss: -78 W

Vmin: 605 Vdc Vnom: 655 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		83.30	166.60	249.90	416.50	624.75	833.00	Wtd
Vmin	605	98.1	98.8	99.0	99.0	99.0	99.0	99.0
Vnom	655	97.8	98.7	98.8	98.9	98.9	98.8	98.8
Vmax	800	97.2	98.4	98.6	98.7	98.7	98.6	98.6

Inverter Efficiency only = 99.0%



833KVA TP1 Transformer Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		83.30	166.60	249.90	416.50	624.75	833.00	Wtd
Vmin	605	97.25	98.59	98.93	99.00	98.80	98.49	98.77
Vnom	655	97.25	98.59	98.93	99.00	98.80	98.49	98.77
Vmax	800	97.25	98.59	98.93	99.00	98.80	98.49	98.77

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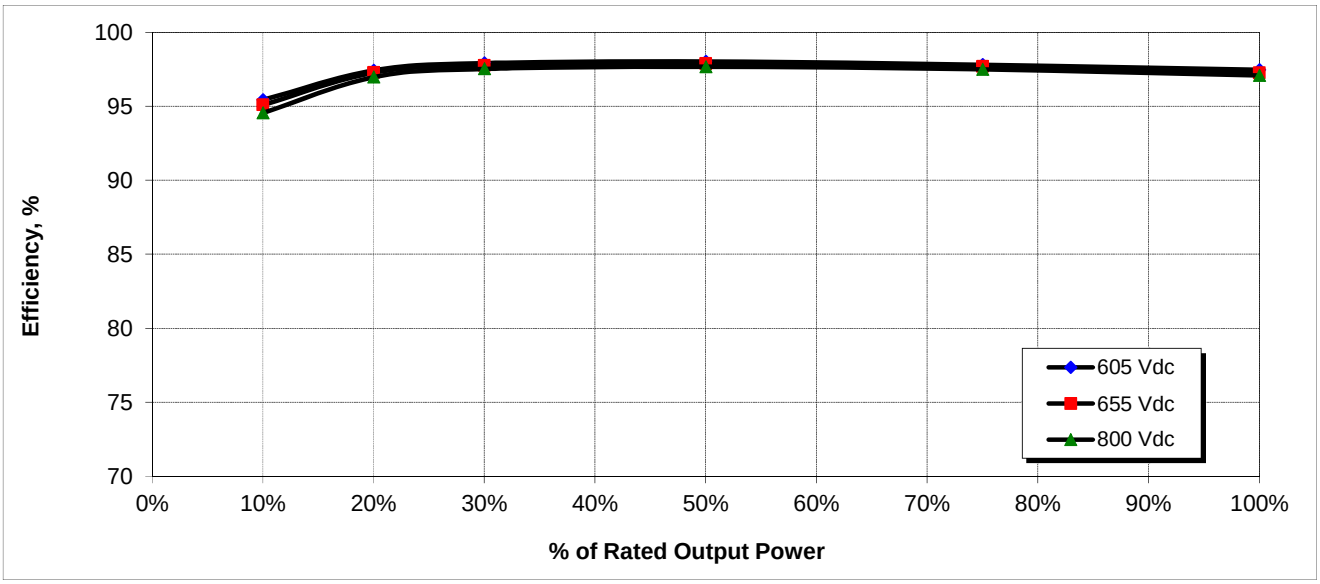
Vmin: 605 Vdc Vnom: 655 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		83.30	166.60	249.90	416.50	624.75	833.00	Wtd
Vmin	605	95.4	97.4	97.9	98.0	97.8	97.5	97.7
Vnom	655	95.1	97.3	97.8	97.9	97.7	97.3	97.6
Vmax	800	94.6	97.0	97.5	97.7	97.5	97.1	97.4

CEC Efficiency of Inverter and MV TP1 Transformer = 97.5%



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	82981.4	605.2	98.07	82967.2	605.2	98.14	82986.6	605.2	98.13	83057.2	605.1	98.22	82953.0	605.2	98.17
20%	Vmin	181831.7	605.1	98.83	181218.0	605.1	98.82	181857.7	605.1	98.79	181670.3	605.1	98.81	181664.7	605.1	98.80
30%	Vmin	268760.0	605.2	98.99	268919.7	605.2	98.98	268875.7	605.2	98.97	268821.7	605.2	98.99	268932.7	605.2	98.98
50%	Vmin	418337.0	605.0	99.00	418305.3	605.0	99.03	418092.7	605.0	99.02	418240.7	605.0	99.02	418382.0	605.0	99.02
75%	Vmin	588155.3	605.2	99.01	588279.0	605.2	99.00	588192.3	605.2	99.00	588221.0	605.2	98.99	588248.7	605.2	99.00
100%	Vmin	794934.3	605.5	98.96	794827.7	605.5	98.97	794981.7	605.5	98.96	794836.0	605.5	98.96	794819.7	605.5	98.96
10%	Vnom	82882.2	655.2	97.84	82897.1	655.2	97.85	82901.8	655.2	97.78	82898.9	655.2	97.82	82899.4	655.2	97.73
20%	Vnom	181545.0	655.1	98.72	181666.7	655.1	98.67	181621.3	655.1	98.65	181523.7	655.1	98.66	181562.7	655.1	98.67
30%	Vnom	268837.7	655.1	98.87	268826.0	655.1	98.84	268823.0	655.1	98.79	268823.0	655.1	98.83	268831.7	655.1	98.79
50%	Vnom	418018.7	655.1	98.86	418025.7	655.1	98.88	417989.0	655.1	98.87	418029.0	655.1	98.86	418040.0	655.1	98.87
75%	Vnom	588003.0	655.1	98.86	587992.7	655.1	98.87	588010.0	655.1	98.87	588012.3	655.1	98.87	587995.7	655.1	98.87
100%	Vnom	794219.0	655.1	98.75	794231.7	655.1	98.75	794250.7	655.1	98.76	794248.3	655.1	98.76	794286.7	655.1	98.76
10%	Vmax	82897.8	800.2	97.32	82906.0	800.2	97.27	82934.1	800.2	97.17	82927.5	800.2	97.15	82929.6	800.2	97.16
20%	Vmax	181597.7	800.2	98.36	181649.7	800.2	98.31	181619.0	800.2	98.35	181619.7	800.2	98.41	181620.0	800.2	98.33
30%	Vmax	268669.0	800.2	98.58	268690.0	800.2	98.58	268665.7	800.2	98.57	268681.0	800.2	98.57	268729.3	800.2	98.56
50%	Vmax	418146.3	800.1	98.67	418153.0	800.1	98.68	418146.0	800.1	98.65	418221.3	800.1	98.65	418150.3	800.1	98.68
75%	Vmax	587911.0	800.5	98.68	587930.0	800.5	98.70	587979.7	800.5	98.68	587978.3	800.5	98.69	587953.7	800.5	98.68
100%	Vmax	794345.7	800.3	98.59	794381.0	800.3	98.59	794339.0	800.3	98.57	794381.3	800.3	98.56	794337.7	800.3	98.59

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	83054.2	605.2	98.09	83084.7	605.2	98.13									
20%	Vmin	181463.7	605.1	98.86	181345.3	605.1	98.83									
30%	Vmin	268918.3	605.2	98.98	268852.0	605.2	98.97									
50%	Vmin	418223.3	605.0	99.04	418234.3	605.0	99.01									
75%	Vmin	588401.3	605.1	98.99	588139.3	605.2	99.00									
100%	Vmin	795102.7	605.5	98.97	795028.0	605.5	98.95									
10%	Vnom	82904.3	655.2	97.77	82956.4	655.2	97.75									
20%	Vnom	181511.7	655.1	98.63	181556.7	655.1	98.66									
30%	Vnom	268799.7	655.1	98.82	268801.0	655.1	98.81									
50%	Vnom	418008.0	655.1	98.88	418041.7	655.1	98.87									
75%	Vnom	588010.0	655.1	98.87	588040.0	655.1	98.86									
100%	Vnom	794301.3	655.1	98.75	794292.0	655.1	98.75									
10%	Vmax	82914.6	800.2	97.19	82913.9	800.2	97.34									
20%	Vmax	181620.0	800.2	98.39	181623.3	800.2	98.39									
30%	Vmax	268669.3	800.2	98.62	268736.7	800.2	98.61									
50%	Vmax	418183.3	800.1	98.66	418158.3	800.1	98.67									
75%	Vmax	587971.3	800.5	98.70	588022.0	800.5	98.68									
100%	Vmax	794382.0	800.3	98.57	794392.0	800.3	98.58									