Manufacturer: TMEIC

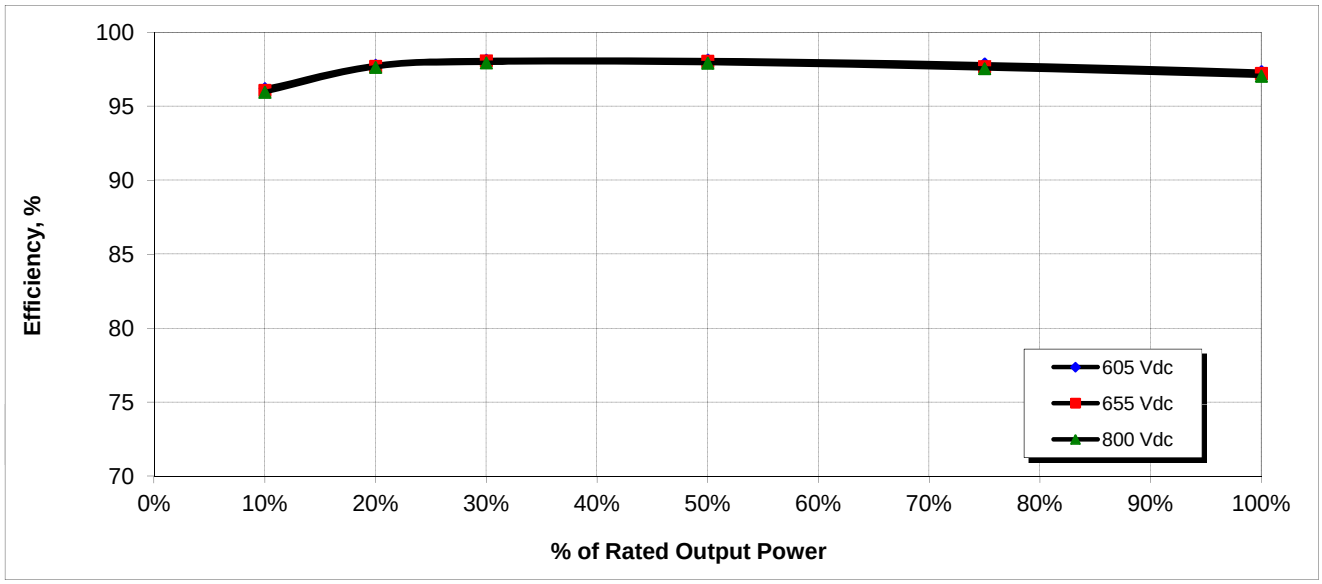
Model #: PVL-L1833GRQ

Rated Maximum Continuous Output Power: 1667.0 kW Night Tare Loss: 100 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		166.70	333.40	500.10	833.50	1250.25	1667.00	Wtd
Vmin	605	96.2	97.8	98.1	98.1	97.9	97.3	97.8
Vnom	655	96.1	97.7	98.1	98.0	97.7	97.2	97.7
Vmax	800	96.0	97.6	97.9	97.9	97.5	97.0	97.6

CEC Efficiency of Inverter and MV TP1 Transformer = 97.5%



Manufacturer: TMEIC

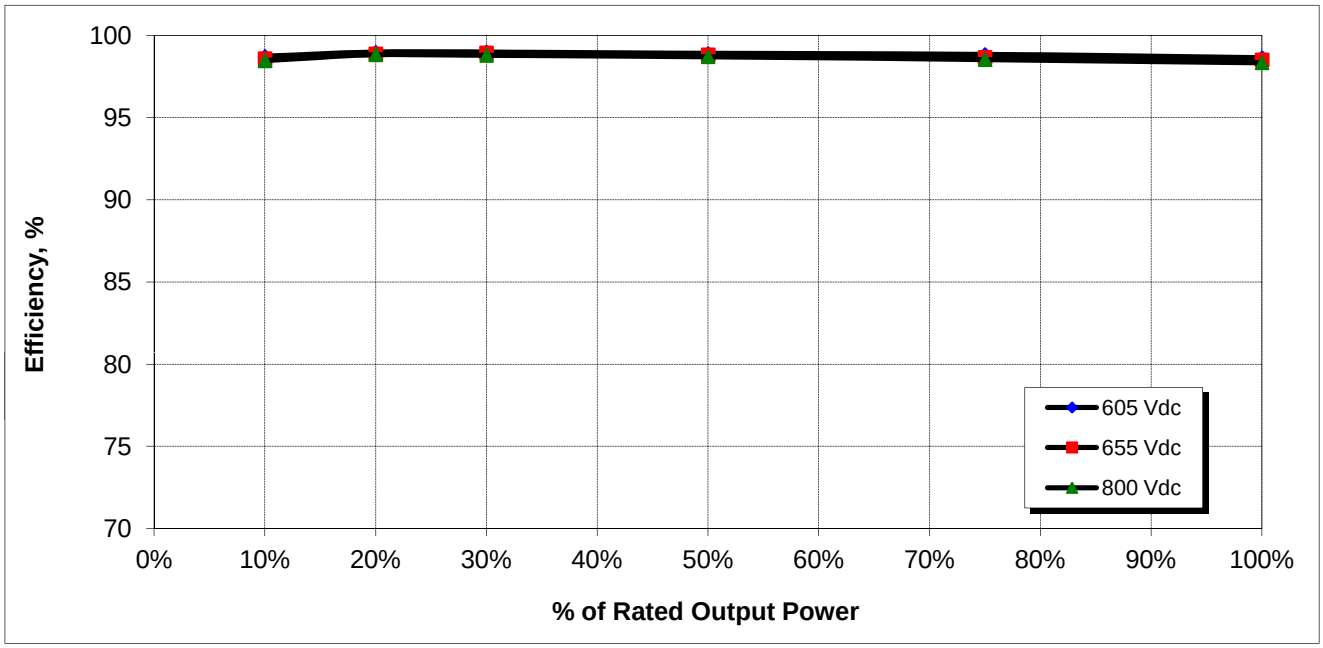
Model #: PVL-L1833GRQ

Rated Maximum Continuous Output Power: 1667.0 kW Night Tare Loss: 100 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		166.70	333.40	500.10	833.50	1250.25	1667.00	Wtd
Vmin	605	98.7	99.0	99.0	98.9	98.8	98.6	98.9
Vnom	655	98.6	98.9	98.9	98.8	98.7	98.5	98.7
Vmax	800	98.5	98.8	98.8	98.7	98.5	98.3	98.6

Inverter Efficiency only = 98.5%



1.83MVA TP1 Transformer Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		166.70	333.40	500.10	833.50	1250.25	1667.00	Wtd
Vmin	605	97.45	98.79	99.13	99.20	99.00	98.69	98.97
Vnom	655	97.45	98.79	99.13	99.20	99.00	98.69	98.97
Vmax	800	97.45	98.79	99.13	99.20	99.00	98.69	98.97

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	163804.0	607.3	98.71	163760.3	607.3	98.76	163787.3	607.3	98.71	163720.0	607.3	98.75	163866.7	607.3	98.69
20%	Vmin	364578.3	607.0	98.99	364743.0	607.0	98.99	364324.7	607.0	99.00	364577.0	607.0	98.99	364181.3	607.0	99.00
30%	Vmin	459488.0	606.9	99.00	459925.0	606.9	98.99	459942.7	606.9	99.01	460197.0	606.9	98.96	459540.7	606.9	98.99
50%	Vmin	752119.3	606.5	98.90	752316.7	606.4	98.92	751984.0	606.5	98.91	751960.7	606.5	98.91	752378.0	606.5	98.90
75%	Vmin	1170966.7	605.8	98.84	1170356.7	605.8	98.84	1169373.3	605.8	98.85	1169490.0	605.8	98.85	1170293.3	605.8	98.84
100%	Vmin	1587073.3	605.1	98.63	1588103.3	605.1	98.63	1587740.0	605.1	98.65	1588250.0	605.1	98.63	1588080.0	605.1	98.64
10%	Vnom	163726.3	657.2	98.59	164012.7	657.1	98.60	163949.0	657.1	98.56	163928.0	657.1	98.56	163818.3	657.2	98.63
20%	Vnom	364587.3	656.9	98.88	364386.0	656.9	98.88	364421.0	656.9	98.88	364330.7	656.9	98.89	364512.0	656.9	98.91
30%	Vnom	459763.0	656.8	98.94	459718.0	656.8	98.94	459538.0	656.8	98.94	459858.7	656.8	98.93	459755.7	656.7	98.93
50%	Vnom	752173.0	656.4	98.81	751262.7	656.4	98.83	751803.0	656.4	98.82	751885.0	656.4	98.83	751491.0	656.4	98.83
75%	Vnom	1169280.0	655.8	98.68	1169160.0	655.8	98.67	1169266.7	655.8	98.67	1169230.0	655.8	98.67	1169546.7	655.8	98.67
100%	Vnom	1587016.7	655.2	98.50	1586956.7	655.2	98.50	1587063.3	655.2	98.50	1587100.0	655.2	98.50	1586456.7	655.2	98.51
10%	Vmax	163948.7	801.6	98.42	163915.0	801.6	98.44	163912.3	801.6	98.47	163883.3	801.6	98.42	163750.7	801.6	98.45
20%	Vmax	364854.3	801.4	98.83	364973.3	801.4	98.82	364717.3	801.4	98.83	364616.0	801.5	98.85	365069.3	801.4	98.82
30%	Vmax	535486.3	801.3	98.79	535522.3	801.3	98.81	535258.3	801.3	98.81	536028.3	801.3	98.78	535486.0	801.3	98.78
50%	Vmax	752888.0	801.0	98.72	752899.7	801.0	98.70	752701.0	801.0	98.71	752827.0	801.0	98.70	752695.0	801.0	98.69
75%	Vmax	1169270.0	800.6	98.53	1169226.7	800.6	98.54	1169513.3	800.6	98.53	1169273.3	800.6	98.53	1169360.0	800.6	98.53
100%	Vmax	1586453.3	800.1	98.34	1588173.3	800.1	98.33	1586893.3	800.1	98.35	1587693.3	800.1	98.32	1588073.3	800.1	98.33

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	163812.0	607.3	98.73	163785.0	607.3	98.76									
20%	Vmin	364221.7	607.1	98.98	364875.7	607.0	98.96									
30%	Vmin	459361.3	606.9	98.99	459902.0	606.9	98.98									
50%	Vmin	752377.7	606.5	98.91	752301.0	606.5	98.91									
75%	Vmin	1169960.0	605.8	98.85	1170510.0	605.8	98.85									
100%	Vmin	1587750.0	605.1	98.66	1587366.7	605.1	98.64									
10%	Vnom	163830.3	657.1	98.59	163938.3	657.2	98.61									
20%	Vnom	364734.3	656.9	98.89	364589.3	656.9	98.88									
30%	Vnom	459801.3	656.8	98.94	459891.7	656.7	98.93									
50%	Vnom	751523.7	656.4	98.84	752171.3	656.4	98.83									
75%	Vnom	1169323.3	655.8	98.68	1168753.3	655.8	98.67									
100%	Vnom	1586323.3	655.2	98.51	1586886.7	655.2	98.51									
10%	Vmax	163905.0	801.6	98.51	163949.7	801.6	98.53									
20%	Vmax	364880.7	801.4	98.82	364807.7	801.4	98.83									
30%	Vmax	535431.7	801.3	98.80	535380.3	801.3	98.78									
50%	Vmax	752619.3	801.0	98.71	752907.3	801.0	98.70									
75%	Vmax	1169326.7	800.6	98.54	1169383.3	800.6	98.54									
100%	Vmax	1587433.3	800.1	98.33	1587716.7	800.1	98.33									