Manufacturer: TMEIC

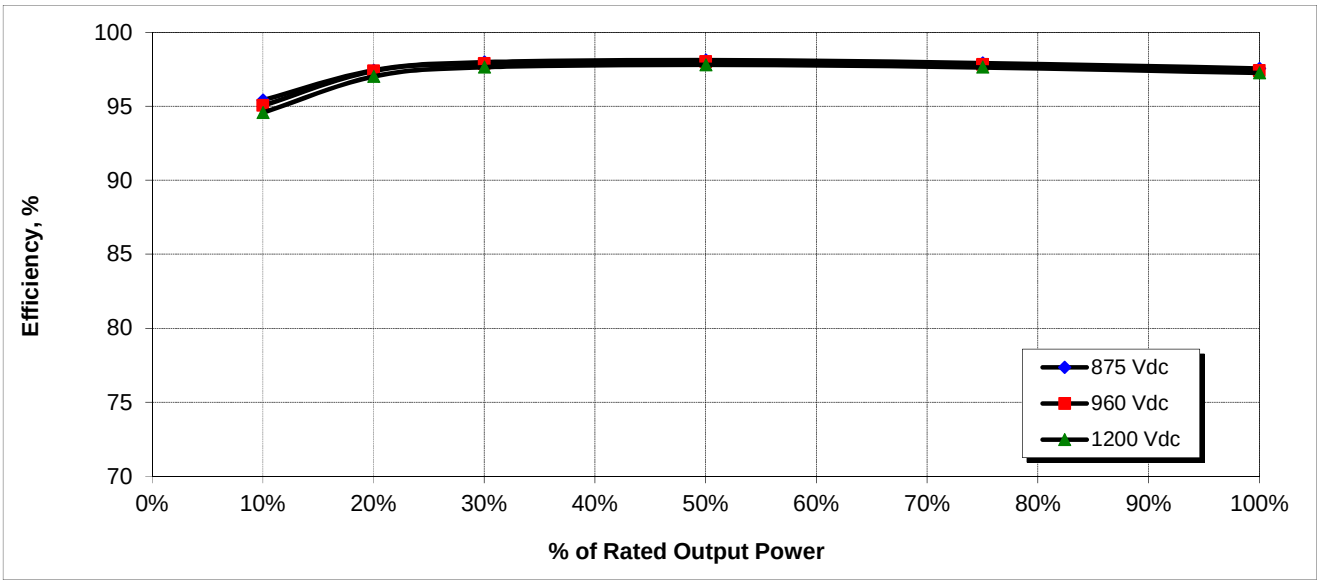
Model #: PVH-L1350GR

Rated Maximum Continuous Output Power: 1350.0 kW Night Tare Loss: -106 W

Vmin: 875 Vdc Vnom: 960 Vdc Vmax: 1200 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		135.00	270.00	405.00	675.00	1012.50	1350.00	Wtd
Vmin	875	95.4	97.4	98.0	98.1	97.9	97.6	97.8
Vnom	960	95.1	97.4	97.9	98.0	97.8	97.4	97.7
Vmax	1200	94.6	97.0	97.6	97.8	97.6	97.3	97.5

CEC Efficiency of Inverter and MV TP1 Transformer = 97.5%



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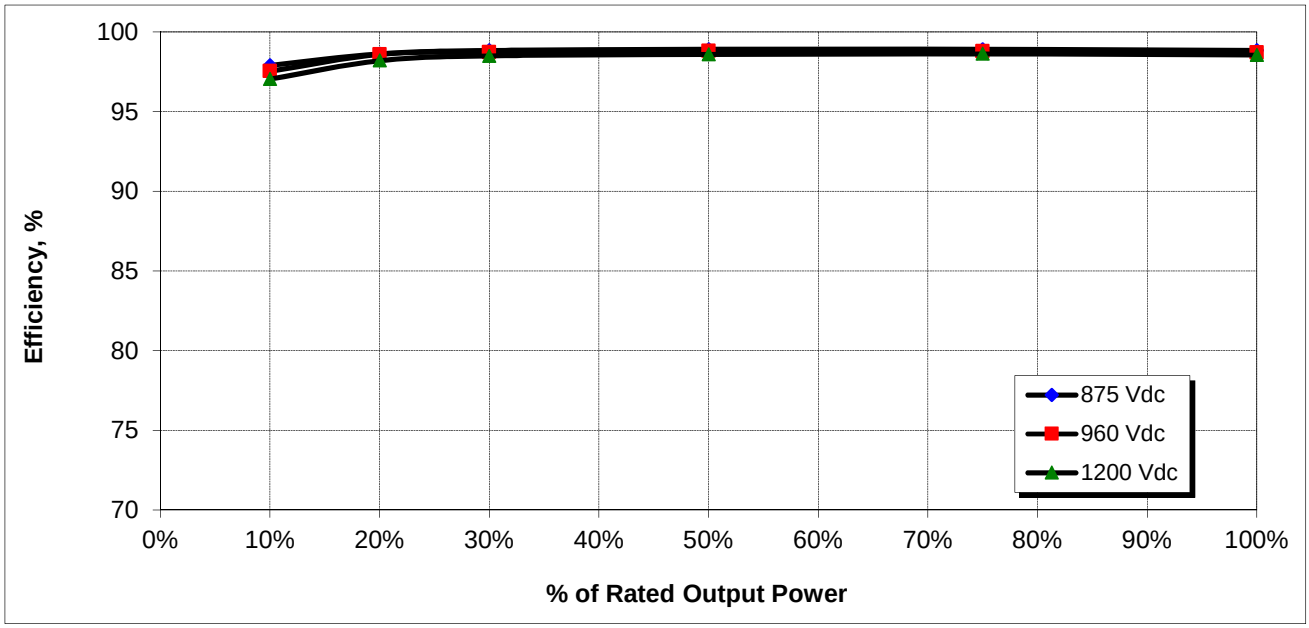
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		135.00	270.00	405.00	675.00	1012.50	1350.00	Wtd
Vmin	875	97.9	98.6	98.8	98.9	98.9	98.9	98.9
Vnom	960	97.5	98.6	98.7	98.8	98.8	98.7	98.7
Vmax	1200	97.1	98.2	98.5	98.6	98.6	98.5	98.5

Inverter Efficiency only = 98.5%



1.35MVA TP1 Transformer Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		135.00	270.00	405.00	675.00	1012.50	1350.00	Wtd
Vmin	875	97.45	98.79	99.13	99.20	99.00	98.69	98.97
Vnom	960	97.45	98.79	99.13	99.20	99.00	98.69	98.97
Vmax	1200	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	134313.0	875.3	97.88	134529.0	875.3	97.93	134335.3	875.3	97.93	134158.7	875.3	97.93	134377.0	875.3	97.89
20%	Vmin	295773.3	875.6	98.62	296017.0	875.5	98.63	296002.7	875.5	98.64	295898.0	875.5	98.64	296114.7	875.5	98.66
30%	Vmin	436763.7	875.3	98.87	436791.0	875.0	98.84	436718.7	877.0	98.85	436260.0	877.0	98.86	436407.7	875.8	98.83
50%	Vmin	677126.3	877.3	98.95	677010.7	875.9	98.92	676871.3	876.2	98.91	676706.0	878.6	98.90	676978.3	876.3	98.92
75%	Vmin	945952.0	875.4	98.90	946172.7	874.3	98.92	946402.7	875.4	98.93	946244.7	876.7	98.93	945996.3	877.2	98.91
100%	Vmin	1283133.3	876.0	98.85	1283120.0	875.4	98.85	1283383.3	877.1	98.85	1283113.3	878.1	98.86	1282763.3	877.9	98.85
10%	Vnom	134336.3	960.7	97.50	134310.7	960.8	97.60	134362.3	960.8	97.50	134325.0	960.7	97.53	134350.0	960.7	97.55
20%	Vnom	295856.7	960.2	98.59	295895.0	960.2	98.60	295849.3	960.2	98.59	295812.3	960.2	98.62	295858.7	960.1	98.53
30%	Vnom	438090.0	961.4	98.76	437980.7	960.1	98.75	437951.7	961.0	98.74	437912.0	960.3	98.75	437736.7	959.8	98.71
50%	Vnom	676138.7	960.7	98.82	676250.3	961.3	98.81	676387.0	962.1	98.82	676287.7	960.9	98.83	675976.0	961.8	98.80
75%	Vnom	946162.7	960.2	98.80	946357.7	960.4	98.81	946193.0	960.4	98.80	946280.0	960.1	98.80	946354.7	958.3	98.80
100%	Vnom	1283426.7	960.4	98.72	1283350.0	960.1	98.71	1283426.7	961.1	98.71	1283476.7	961.8	98.71	1283416.7	960.1	98.71
10%	Vmax	134644.3	1200.3	97.01	134622.0	1200.3	97.03	134639.7	1200.3	97.01	134699.0	1200.3	97.02	134679.7	1200.3	96.99
20%	Vmax	296245.0	1201.4	98.23	296247.0	1201.4	98.19	296295.7	1201.4	98.19	296236.7	1201.4	98.18	296322.3	1201.4	98.20
30%	Vmax	437510.0	1204.2	98.50	437432.7	1205.7	98.50	437661.7	1204.3	98.47	437671.3	1204.1	98.49	437562.3	1202.6	98.45
50%	Vmax	675409.0	1203.7	98.59	675259.3	1203.6	98.60	675334.3	1203.1	98.58	675548.0	1204.6	98.60	675282.7	1204.0	98.58
75%	Vmax	945602.0	1204.7	98.61	945588.3	1204.5	98.64	945988.3	1204.8	98.63	945635.0	1204.7	98.63	945620.7	1202.9	98.61
100%	Vmax	1283680.0	1199.4	98.55	1283773.3	1199.9	98.55	1283720.0	1198.2	98.55	1283703.3	1199.3	98.55	1283713.3	1198.3	98.55

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	134372.7	875.3	97.85	134370.0	875.3	97.96									
20%	Vmin	296023.0	875.5	98.63	295703.7	875.6	98.61									
30%	Vmin	436945.0	875.8	98.85	436225.7	878.2	98.82									
50%	Vmin	676990.3	875.9	98.93	676730.7	875.1	98.91									
75%	Vmin	946118.0	876.5	98.93	946105.3	875.8	98.93									
100%	Vmin	1283333.3	877.0	98.87	1283143.3	878.3	98.86									
10%	Vnom	134330.3	960.8	97.58	134322.0	960.8	97.50									
20%	Vnom	295868.3	960.1	98.55	295866.7	960.1	98.61									
30%	Vnom	437888.3	961.3	98.72	438063.7	960.2	98.75									
50%	Vnom	675933.3	960.9	98.79	676202.0	962.1	98.81									
75%	Vnom	946356.0	960.0	98.80	946210.3	960.9	98.79									
100%	Vnom	1283336.7	961.2	98.71	1283380.0	960.5	98.72									
10%	Vmax	134668.7	1200.3	97.12	134682.0	1200.3	97.16									
20%	Vmax	296333.3	1201.4	98.22	296260.3	1201.4	98.20									
30%	Vmax	437863.7	1204.6	98.53	437900.0	1203.9	98.55									
50%	Vmax	675393.7	1201.6	98.60	675316.7	1203.0	98.59									
75%	Vmax	945620.7	1203.9	98.62	945839.0	1203.8	98.63									
100%	Vmax	1283676.7	1199.3	98.55	1283706.7	1199.8	98.55									