Manufacturer: Power Electronics

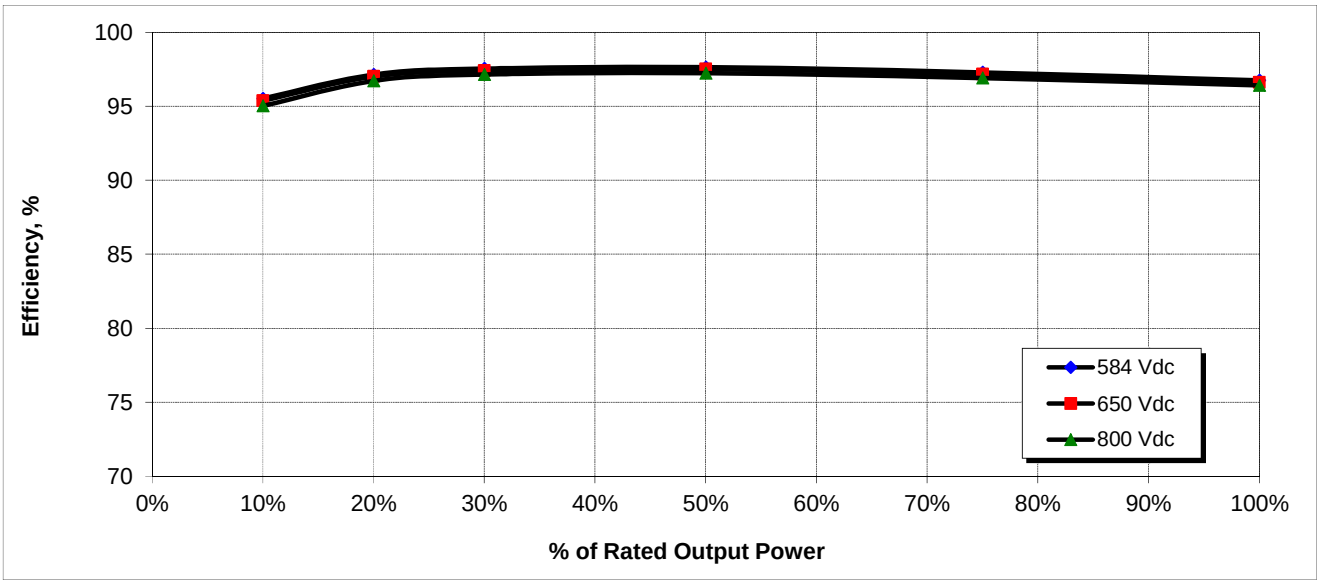
Model #: FS1260CU (400Vac)

Rated Maximum Continuous Output Power: 1400.0 kW Night Tare Loss: -308 W

Vmin: 584 Vdc Vnom: 650 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		140.00	280.00	420.00	700.00	1050.00	1400.00	Wtd
Vmin	584	95.5	97.1	97.6	97.6	97.3	96.8	97.3
Vnom	650	95.4	97.0	97.4	97.5	97.2	96.6	97.2
Vmax	800	95.0	96.7	97.2	97.2	96.9	96.4	96.9

CEC Efficiency of Inverter and MV TP1 Transformer = 97.0%



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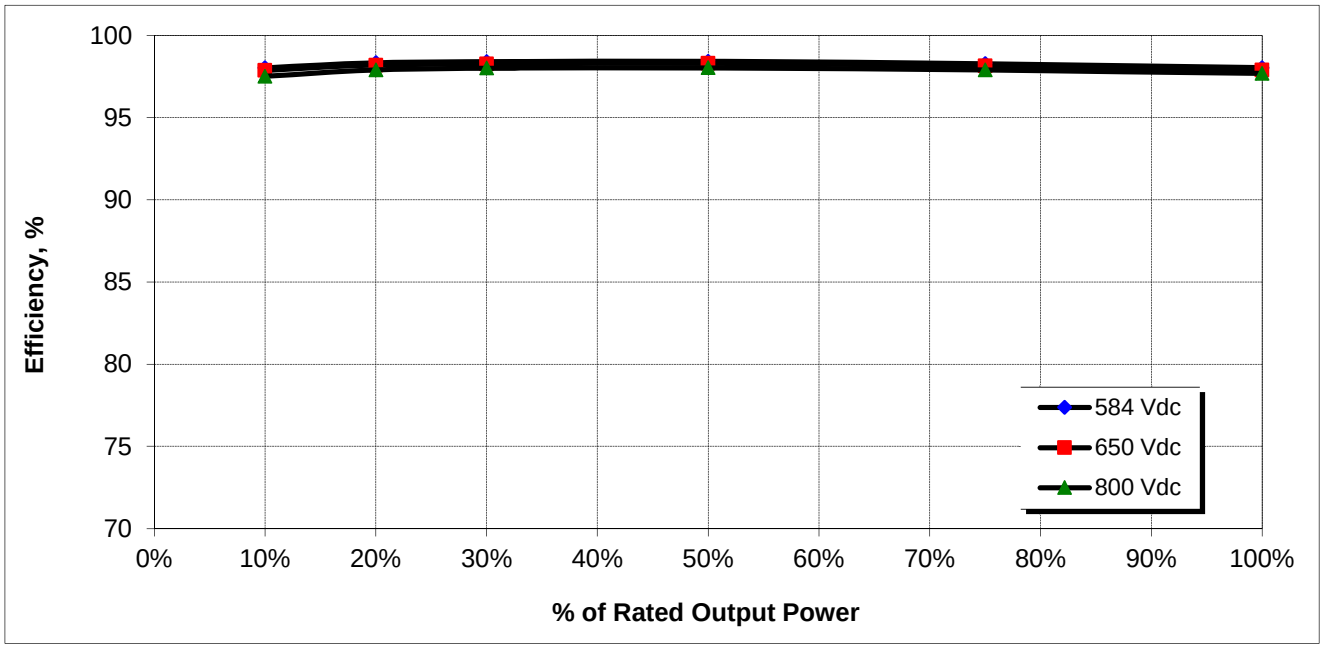
		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		140.00	280.00	420.00	700.00	1050.00	1400.00	Wtd
Vmin	584	98.0	98.3	98.4	98.4	98.3	98.0	98.3
Vnom	650	97.9	98.2	98.3	98.3	98.1	97.9	98.2
Vmax	800	97.5	97.9	98.0	98.0	97.9	97.7	97.9

Inverter Efficiency only = 98.0%



1400KVA TP1 MV Transformer Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		140.00	280.00	420.00	700.00	1050.00	1400.00	Wtd
Vmin	584	97.45	98.79	99.13	99.20	99.00	98.69	98.97
Vnom	650	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	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	137485.7	584.5	98.0	138706.7	584.5	98.1	138235.7	584.5	98.0	138110.3	584.7	98.0	137442.0	584.6	98.0
20%	Vmin	281872.7	584.4	98.3	282564.0	584.4	98.3	282631.3	584.5	98.3	282307.7	584.5	98.3	282113.7	584.4	98.3
30%	Vmin	422534.3	584.4	98.4	422814.7	584.4	98.4	421801.3	584.4	98.4	421203.3	584.5	98.4	420677.0	584.4	98.4
50%	Vmin	703677.7	584.2	98.4	703974.3	584.3	98.4	705975.7	584.2	98.4	704115.7	584.2	98.4	705653.3	584.2	98.4
75%	Vmin	1056313.3	586.0	98.3	1057243.3	585.9	98.3	1056550.0	586.0	98.3	1056233.3	586.0	98.3	1059213.3	585.9	98.3
100%	Vmin	1455763.3	584.8	98.0	1455056.7	584.8	98.0	1455713.3	584.8	98.0	1455863.3	584.8	98.0	1454996.7	584.8	98.0
10%	Vnom	138236.3	651.3	97.9	137661.0	651.2	97.9	138166.0	651.3	97.9	137561.0	651.3	97.9	138845.7	651.2	97.9
20%	Vnom	282568.0	650.2	98.2	282171.0	650.2	98.2	281394.3	650.3	98.2	281318.0	650.2	98.2	281953.0	650.2	98.2
30%	Vnom	421969.7	650.2	98.3	420697.0	650.1	98.3	421937.7	650.1	98.3	420025.0	650.1	98.3	421194.7	650.1	98.3
50%	Vnom	704628.3	651.0	98.3	701950.7	651.0	98.3	702950.0	651.1	98.3	700495.3	651.0	98.3	704021.7	651.0	98.3
75%	Vnom	1052900.0	650.8	98.1	1055750.0	650.7	98.1	1054593.3	650.8	98.1	1056816.7	650.8	98.1	1053473.3	650.9	98.1
100%	Vnom	1450073.3	650.7	97.9	1449860.0	650.7	97.9	1449496.7	650.7	97.9	1449790.0	650.7	97.9	1450253.3	650.7	97.9
10%	Vmax	138875.3	800.0	97.6	137364.3	800.0	97.5	137722.0	800.1	97.5	137265.7	800.1	97.5	138169.0	800.1	97.5
20%	Vmax	281433.0	800.0	97.9	281980.7	799.9	97.9	281730.0	800.0	97.9	282574.0	800.0	97.9	281669.0	800.0	97.9
30%	Vmax	419829.7	799.9	98.0	420438.3	800.0	98.0	420707.0	800.0	98.0	420158.0	800.0	98.0	422437.0	800.0	98.0
50%	Vmax	699003.7	800.8	98.0	702144.3	800.9	98.0	698709.0	801.0	98.0	705797.3	800.8	98.0	702633.0	800.8	98.0
75%	Vmax	1054156.7	800.8	97.9	1054403.3	800.7	97.9	1056443.3	800.7	97.9	1053173.3	800.7	97.9	1055383.3	800.7	97.9
100%	Vmax	1451456.7	800.8	97.7	1451250.0	800.7	97.7	1451060.0	800.8	97.7	1450970.0	800.8	97.7	1451106.7	800.7	97.7

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	137866.0	584.6	98.0	137460.3	584.6	98.0									
20%	Vmin	282832.3	584.5	98.3	282018.3	584.4	98.4									
30%	Vmin	420850.7	584.4	98.4	421750.3	584.4	98.4									
50%	Vmin	704129.7	584.3	98.4	701098.7	584.3	98.4									
75%	Vmin	1054790.0	586.0	98.3	1058073.3	585.9	98.3									
100%	Vmin	1455110.0	584.8	98.0	1454663.3	584.8	98.0									
10%	Vnom	137883.0	651.3	97.9	138062.0	651.2	97.9									
20%	Vnom	281964.3	650.1	98.2	281337.0	650.2	98.2									
30%	Vnom	422091.0	650.1	98.3	422236.7	650.1	98.3									
50%	Vnom	701518.0	651.1	98.3	704835.7	651.0	98.3									
75%	Vnom	1058523.3	650.8	98.2	1055586.7	650.8	98.2									
100%	Vnom	1450370.0	650.7	97.9	1450173.3	650.6	97.9									
10%	Vmax	138068.3	800.1	97.5	138352.7	800.1	97.5									
20%	Vmax	282110.7	800.0	97.9	280795.7	800.0	97.9									
30%	Vmax	419635.3	799.9	98.0	420824.0	800.0	98.0									
50%	Vmax	701940.7	800.9	98.0	702009.3	800.9	98.0									
75%	Vmax	1053756.7	800.7	97.9	1053610.0	800.7	97.9									
100%	Vmax	1450526.7	800.7	97.7	1450660.0	800.7	97.7									