Manufacturer: Power Electronics

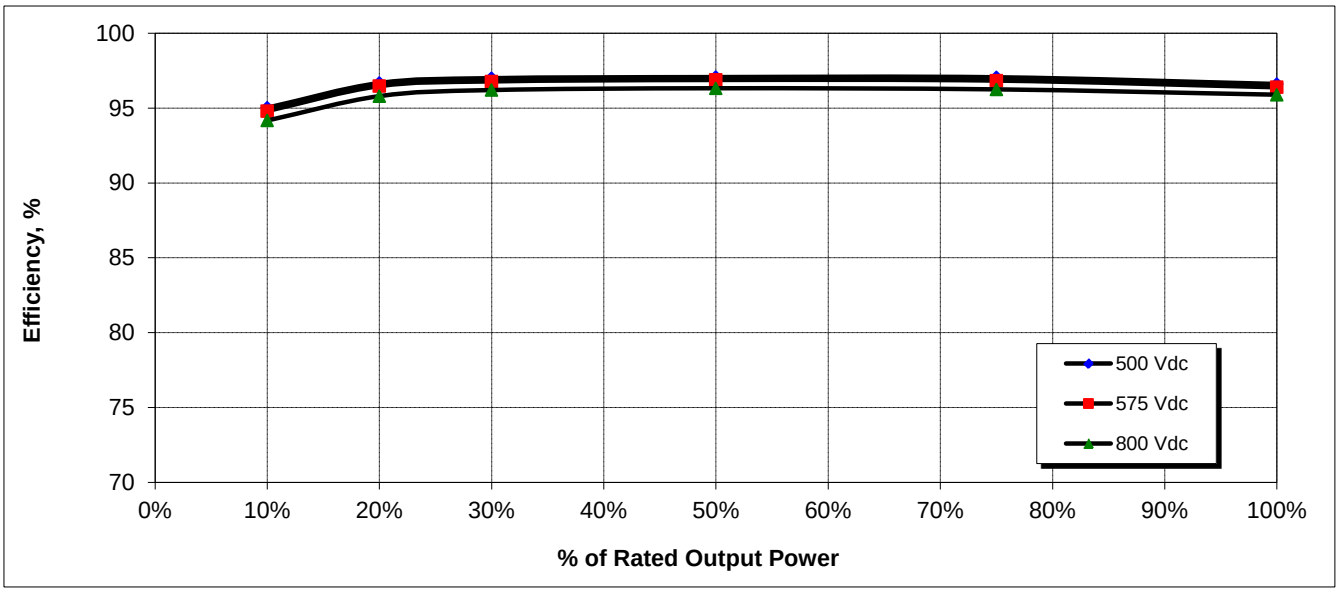
Model #: FS0750CU

Rated Maximum Continuous Output Power: 750.0 kW Night Tare Loss: -506 W

Vmin: 500 Vdc Vnom: 575 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		75.00	150.00	225.00	375.00	562.50	750.00	Wtd
Vmin	500	95.0	96.7	97.0	97.1	97.1	96.6	96.9
Vnom	575	94.8	96.5	96.8	96.9	96.8	96.4	96.7
Vmax	800	94.2	95.8	96.2	96.3	96.3	95.9	96.1

CEC Efficiency of Inverter and MV TP1 Transformer = 96.5%



Manufacturer: Power Electronics

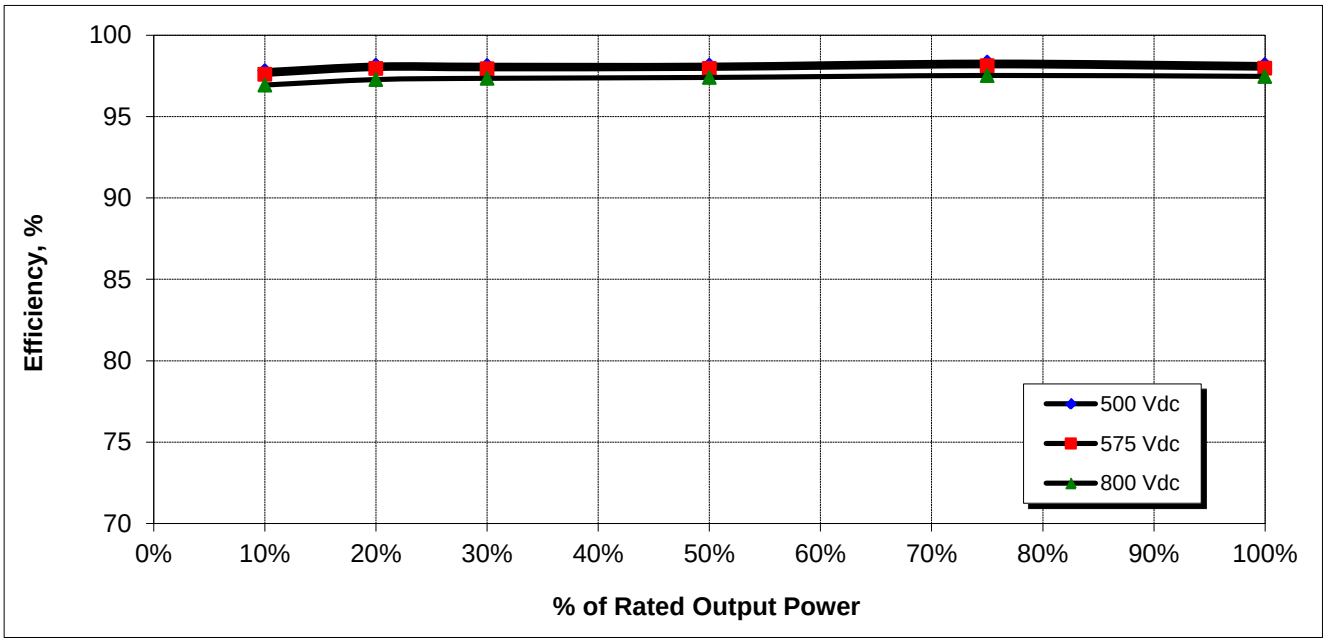
Model #: FS0750CU (330Vac)

Rated Maximum Continuous Output Power: 750.0 kW Night Tare Loss: -506 W

Vmin: 500 Vdc Vnom: 575 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		75.00	150.00	225.00	375.00	562.50	750.00	Wtd
Vmin	500	97.8	98.2	98.2	98.2	98.3	98.2	98.2
Vnom	575	97.6	98.0	97.9	98.0	98.1	98.0	98.0
Vmax	800	96.9	97.3	97.3	97.4	97.5	97.5	97.4

Inverter Efficiency only = 98.0%



750KVA TP1 MV Transformer Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		75.00	150.00	225.00	375.00	562.50	750.00	Wtd
Vmin	500	97.15	98.49	98.83	98.9	98.7	98.39	98.67
Vnom	575	97.15	98.49	98.83	98.9	98.7	98.39	98.67
Vmax	800	97.15	98.49	98.83	98.9	98.7	98.39	98.67

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	73686.4	500.5	97.8	73825.4	500.5	97.8	73802.3	500.6	97.8	73728.3	500.6	97.8	74029.3	500.6	97.8
20%	Vmin	153010.7	500.4	98.2	152703.7	500.4	98.2	152706.0	500.4	98.2	152857.0	500.4	98.2	152685.3	500.4	98.2
30%	Vmin	227179.7	500.5	98.2	227278.7	500.5	98.1	227246.7	500.5	98.2	227492.0	500.6	98.2	227136.0	500.5	98.2
50%	Vmin	377235.7	500.1	98.2	376830.0	500.1	98.2	377033.7	500.2	98.2	377236.7	500.2	98.2	377027.3	500.1	98.2
75%	Vmin	566775.0	500.7	98.3	566058.0	500.7	98.4	565648.7	500.7	98.4	565639.7	500.7	98.3	565770.0	500.7	98.3
100%	Vmin	752844.3	500.9	98.2	752646.7	501.0	98.2	752609.7	500.9	98.2	752918.3	501.0	98.2	752377.3	501.0	98.2
10%	Vnom	73637.4	575.1	97.6	73778.4	575.2	97.6	73664.9	575.1	97.6	73767.3	575.2	97.6	73677.5	575.2	97.6
20%	Vnom	152348.0	575.1	97.9	152415.3	575.1	98.0	152081.3	575.1	98.0	152330.0	575.1	98.0	152037.7	575.1	98.0
30%	Vnom	226795.7	576.1	97.9	227086.7	576.1	97.9	226982.0	576.1	97.9	226839.0	576.2	97.9	226867.7	576.0	97.9
50%	Vnom	377483.7	575.8	98.0	377717.7	575.8	98.0	377496.7	575.8	98.0	377538.0	575.8	98.0	377324.7	575.8	98.0
75%	Vnom	564156.0	575.4	98.1	565724.3	575.4	98.1	566089.0	575.4	98.1	564892.3	575.4	98.1	564319.0	575.4	98.1
100%	Vnom	752506.7	575.6	98.0	752412.0	575.7	98.0	753070.7	575.6	98.0	752548.3	575.6	98.0	752070.7	575.7	98.0
10%	Vmax	73498.1	800.5	96.9	73391.2	800.5	96.9	73530.5	800.5	96.9	73286.6	800.5	96.9	73466.2	800.4	97.0
20%	Vmax	151920.0	800.6	97.2	152401.0	800.5	97.3	152221.0	800.6	97.3	152159.7	800.5	97.3	152305.0	800.4	97.3
30%	Vmax	226180.0	800.5	97.4	226430.0	800.5	97.3	225710.3	800.5	97.3	226076.0	800.5	97.3	226458.3	800.6	97.3
50%	Vmax	375883.7	800.4	97.4	376214.7	800.4	97.4	376040.0	800.4	97.4	376296.0	800.4	97.4	375998.7	800.4	97.4
75%	Vmax	564713.7	800.8	97.5	564049.0	800.9	97.5	563130.7	800.9	97.5	564156.0	800.8	97.5	564493.7	800.9	97.5
100%	Vmax	752147.7	800.1	97.5	752173.0	800.2	97.5	751304.7	800.1	97.5	752268.3	800.2	97.5	751920.3	800.2	97.5

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	73724.1	500.6	97.8	74003.3	500.6	97.8									
20%	Vmin	152316.7	500.5	98.2	152575.0	500.4	98.2									
30%	Vmin	227213.7	500.6	98.1	227179.7	500.5	98.2									
50%	Vmin	377072.7	500.1	98.2	377264.3	500.1	98.2									
75%	Vmin	566793.3	500.6	98.3	566227.7	500.6	98.3									
100%	Vmin	753064.7	501.0	98.2	752598.3	501.0	98.2									
10%	Vnom	73848.8	575.2	97.6	73732.5	575.1	97.6									
20%	Vnom	152288.0	575.0	97.9	152103.7	575.0	97.9									
30%	Vnom	226865.7	576.0	97.9	227093.3	576.0	97.9									
50%	Vnom	377522.3	575.8	98.0	377196.0	575.7	98.0									
75%	Vnom	564452.3	575.3	98.1	564986.0	575.3	98.1									
100%	Vnom	753195.7	575.7	98.0	752686.7	575.7	98.0									
10%	Vmax	73455.6	800.4	96.9	73423.1	800.5	96.9									
20%	Vmax	152847.3	800.6	97.3	152352.7	800.5	97.3									
30%	Vmax	226199.7	800.5	97.3	226162.7	800.6	97.4									
50%	Vmax	375939.3	800.4	97.4	376787.0	800.3	97.4									
75%	Vmax	564244.7	801.0	97.5	564151.3	800.9	97.5									
100%	Vmax	752119.0	800.2	97.5	752025.7	800.2	97.5									