Manufacturer: **AMETEK Solidstate Controls**

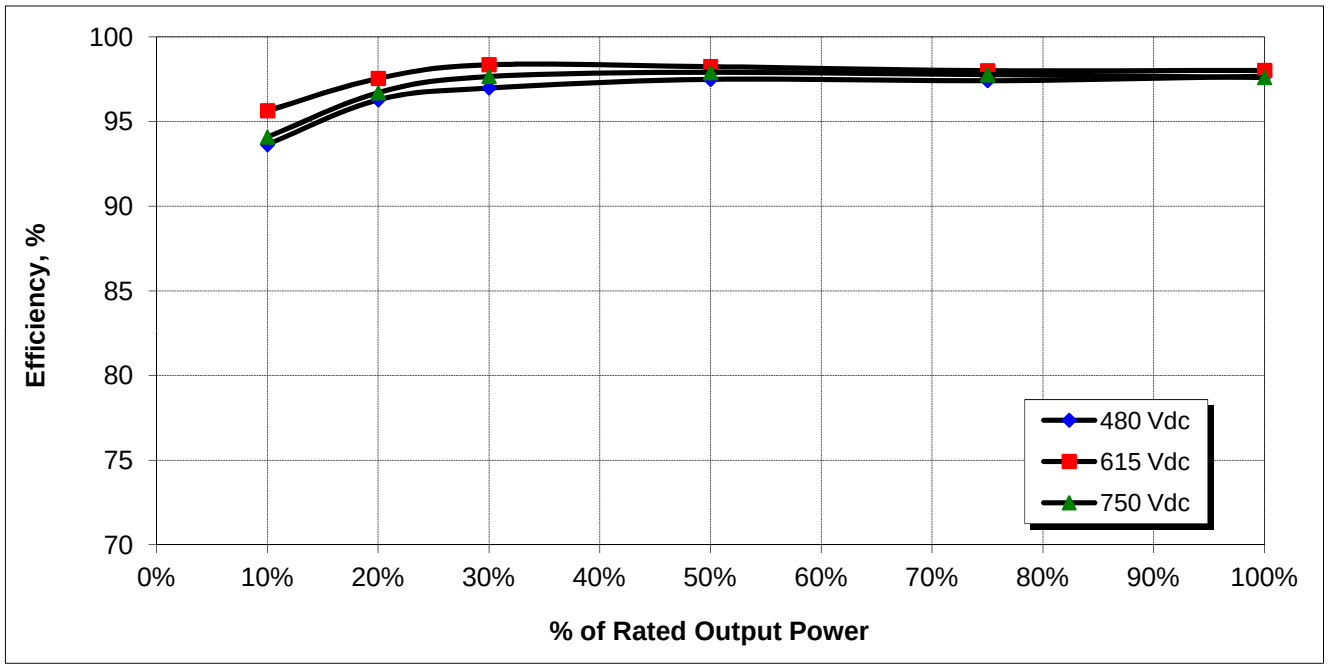
Model #: RECon 30H-150-US

Rated Maximum Continuous Output Power: 150 kW Night Tare Loss: 62.53 W

Vmin: 480 Vdc Vnom: 615 Vdc Vmax: 750 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		15.00	30.00	45.00	75.00	112.50	150.00	Wtd
Vmin	480	93.6	96.3	97.0	97.5	97.4	97.7	97.2
Vnom	615	95.6	97.6	98.4	98.3	98.0	98.0	98.0
Vmax	750	94.1	96.7	97.7	97.9	97.8	97.6	97.6

CEC Efficiency = 98%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	14.9	487.3	93.8	15.0	487.3	93.5	15.0	487.3	93.5	15.0	487.2	93.7	15.0	487.3	93.8
20%	Vmin	30.3	487.2	96.1	30.1	487.4	96.0	30.5	487.2	96.2	30.5	487.1	96.2	30.6	487.2	96.9
30%	Vmin	45.3	487.0	96.9	45.1	487.2	96.8	45.3	487.1	97.0	45.3	487.1	97.0	45.4	487.1	97.2
50%	Vmin	75.6	486.6	97.4	75.4	486.7	97.4	75.4	486.7	97.5	75.5	486.7	97.6	75.7	486.7	97.6
75%	Vmin	112.8	486.1	97.3	112.6	486.1	97.4	112.8	486.3	97.5	112.9	486.2	97.4	112.9	486.2	97.5
100%	Vmin	150.8	485.5	97.9	149.8	485.7	97.5	149.6	485.7	97.6	150.5	485.7	97.8	150.3	485.7	97.6
10%	Vnom	14.9	616.6	95.4	14.9	616.7	95.6	14.9	616.5	95.4	14.9	616.6	95.9	14.9	616.6	95.9
20%	Vnom	30.3	616.5	97.5	30.4	616.6	97.4	30.4	616.5	97.2	30.4	616.5	97.7	30.4	616.5	97.9
30%	Vnom	45.6	616.4	98.3	45.4	616.5	98.3	45.4	616.4	98.3	45.5	616.4	98.5	45.2	616.4	98.5
50%	Vnom	75.3	616.2	98.3	75.7	616.3	98.1	75.0	616.2	98.2	75.0	616.2	98.3	75.2	616.2	98.4
75%	Vnom	112.5	615.8	98.1	112.7	615.9	97.9	112.7	615.7	98.0	112.7	615.8	98.0	112.7	615.8	98.1
100%	Vnom	150.1	615.4	98.1	150.0	615.4	97.9	150.1	615.4	98.1	150.1	615.4	98.1	150.4	615.3	98.0
10%	Vmax	15.0	752.1	92.9	14.9	752.0	94.3	15.0	751.9	94.4	14.9	752.0	94.5	14.9	752.0	94.4
20%	Vmax	30.4	751.7	95.8	30.1	751.8	97.0	30.1	751.8	96.9	30.1	751.8	96.9	30.2	751.8	96.9
30%	Vmax	45.2	751.5	97.2	45.3	751.7	97.8	45.4	751.7	97.8	45.5	751.7	97.8	45.2	751.7	97.7
50%	Vmax	75.5	751.2	97.4	75.3	751.4	98.0	75.5	751.4	98.1	75.5	751.4	98.0	75.6	751.4	98.0
75%	Vmax	112.5	750.8	97.5	112.8	751.3	97.5	113.0	751.3	97.9	113.1	751.2	97.9	113.2	751.3	98.0
100%	Vmax	150.1	750.5	97.6	150.0	751.2	97.6	150.0	751.1	97.6	149.8	751.0	97.6	150.0	751.0	97.6

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															